

How to Keep Boys on the Farm.

And all this time a cool creek, a mile away, loitering in deep silent pools in shady places in the woods, or breaking into merry dancing ripples over the pebbles? And in the deep holes, the fish lying around, lonesome. Well, then, you know why some boys leave the farm. Still boys can be kept on the farm and made to stay there all their lives. You drive a long spike through a boy's abdomen and through a live oak tree and clinch or bolt it to the other side, and then he will stay on the farm. Yes, there are some other ways we know, but this is the only infallible method—Brooklyn "Eagle." (The above hits pretty hard, but hits truly, for the average boy's life on the farm is not altogether an enjoyable one. He rises early, works hard all day, finds himself too tired at night to enjoy reading or other pastime, goes to bed, rises early again, and drudges on in the same routine, usually with no pecuniary interest in the enterprise. Set apart a few acres for fruit growing, and give the boy sole charge of it, with all or a share of the profits. If this does not brighten the boy and tie him to the farm, try him on poultry or fancy cattle. Every boy has a leaning towards some pursuit, and it is the father's duty to give him an opportunity to develop his peculiar faculties.—C. A. Green.)

The way of make love to a woman is to pretend she isn't doing it.

Molasses catches more flies than vinegar and bonbons more wives than virtues.

It is human nature to prefer to pay ice bills in winter and coal bills in summer.

One comfort to a woman in having her husband sick abed is that she feels she can trust him there.

The thing a man can never understand is that women's stockings are made the same for all thicknesses of legs.—New York "Press."

We should dress in light grey or brown clothing who works about farms. Black or blue clothing shows every particle of dirt. Buy such colors as will permit your shaking a flour bag without obliterating the color of your coat. My work is mostly office work, and one might suppose that I could wear a blue suit, but if I do, surely that day I would find myself squeezing through dusty barrels, or in some place that makes my clothes look as though I had been threshing. No, I like to wear on the farm a suit of clothes that do not show the dust, and in which I can feel free to jump astride a horse bare-back, or shake a buffalo robe without employing two boys to brush me for an hour afterwards,

The rudder of a yacht is a stern reality.

A railway time table—twenty minutes for dinner.

No young man ever considers his best girl too good to be true.

It is easier for a woman to conceal her love than it is to hide her indifference.

When society turns out to see the horse show the horse hasn't much show. It is the man who puts his hand resolutely to the grindstone that keeps the other fellow's nose there.—Chicago "News."

An expert and experienced official in an insane asylum said to us, a little time since, that these institutions were filled with people who have given up to their feelings, and that no one is quite safe from an insane asylum who allows himself to give up to his feelings. The importance of this fact is altogether too little appreciated, especially by teachers. We are always talking about the negative virtues of discipline, but we rarely speak of the positive virtues. We discipline the schools to keep the children from mischief, to maintain good order, to have quiet, to enable the children to study. We say, and say rightly, that there cannot be a good school without good discipline.

The following is a good way to mix whitewash so it will not rub off: Mix up half a pailful of lime and water ready to put on the wall, then take one-quarter pint of flour, mix it up with water; then pour on it boiling water, sufficient quantity to thicken it; pour while hot into the whitewash; stir it altogether and it is ready for use.

If men were compelled to eat their words there would be an epidemic of indigestion in this country.

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Farmers, you will find by practice that it is not only agreeable but that it is policy to keep on the right side of your hired man. Treat him well so long as he is in your employ, and if he does not deserve good treatment, or respond to it do not keep him. A good hired man will appreciate good usage and kind favors and pay for them by the extra amount and better quality of his services. The same good hired man will resent abuse. The man who will allow himself to be treated like a brute is probably deserving of such treatment. It is courtesy to treat all men decently. In the case of your hired man, it is also policy and economy. If your man works faithfully and well in your behalf, try to appreciate it. Be liberal with him, not only at the table, but give him occasionally a spare day for amusement and recreation. Any intelligent hired man will work harder and perform his labor better when he feels that his employer appreciates well doing.

A Leather Varnish.—A leather varnish or polish, said to be of peculiar adaptation, is prepared at Gunther's establishment, Berlin, by mixing filtered solution of eighty parts of shellac in fifteen parts of alcohol with three parts of wax, two of castor oil, and a sufficient quantity of pigment—this mixture being evaporated in a vacuum to a syrup. The varnish is applied to the leather with brush moistened with alcohol.

Tell Isaac Wheelock to put two or three good yeast cakes in his cider and leave the bung out, with a piece of wire net tacked over the hole, and he will soon have good vinegar.

Experimental feeding in the United States army has resulted in establishing the following ration of forage for horses: Twelve pounds of oats and fourteen pounds of hay every day, with a salted bran mash twice a week. This may be the best way to feed an army horse, but a shipper who wants to put a high stepper in condition for the market usually feeds him all he will eat of a steam-cooked mixture made up of one part cracked corn, one part oats, two parts bran and one-half part whole flaxseed. An experienced feeder says this ration, with hay, will transform a thin horse into a fat, sleek, high-lifted one, quicker than anything he ever saw.

Loose, porous soils, underlaid by sand or gravel, are drained by nature; but all land that is underlaid by clay, rock or other impervious material need draining. What is to be gained by underdrainage? The surface of the water in the soil is lowered. The roots of the cereal and grasses may penetrate as far as the surface of the water, but never into it. It is necessary to draw the water off to such a depth as will give the roots of growing crops plenty of room to reach downward for that nourishment that is necessary to their growth. If the water is only one foot from the surface, the roots of plants have only that amount of soil from which to gather nourishment with the disadvantage of having their feet wet by capillary attraction. Only aquatic plants grow well with their feet in the water. The lowering the water below the surface prevents a large amount of evaporation and its effects in cooling the soil. The water being removed, air and warmth are admitted to the soil. Drained lands are for this reason ready for planting at least one week earlier in the spring. The growth of crops is quickened through the summer by the increased temperature of the soil, which amounts to several degrees, and the injurious effects of early frosts are prevented in the same manner. Crops are, therefore, given an increased period in which to make their growth of at least two weeks.—"Exchange."

Let us be thankful for the sunshine. The oil in our lamps, the coal in our stoves, the clothes we wear, the food we consume may all be called the products of sunshine. Without sunshine this earth would be dark, frozen and uninhabitable, no spring or autumn, only one long eternal arctic winter. The sun is 95,000,000 miles distant from us, yet its rays warm our soil, and start the growth of our plants, and even scorch our faces. There is heat enough given out each day from the sun to heat 55,000,000 worlds rolling in a solid concave about it. So the sunshine that creeps into your rooms these winter mornings, is not such a simple thing after all.

A boy never likes his father to keep a promise if that promise means a lickin' in'.

If bendin' over the wash tub gives an advantage in the game of golf, our women folks ought to be winners.

The reason folks can't take a love story for their guide is that it generally ends just before the trouble begins.

Some people seem to think happiness is inherited, and they sit around waitin' for somethin' they can only get by workin' in'.

All women get a title when they marry, but the one with plain "Mrs." heads the list.

A cramp in his bank account keeps many a feller out of the swim.

The trouble with some folks is they only enjoy the work that some others are doin'.

Every young feller thinks he can do as he pleases when he's grown, but just wait till he gets married!—"Farm Life."

The "Kansas City Packer" says editorially that the real cause for the tendency to return to the farm and take up agriculture as a pursuit is because "the agriculturist has become a professional man. The college and university have added a special course for his benefit, and given him a degree. He is a botanist and a chemist, and science has taught him to take the jaded and worn-out farm, and with intelligence cause it to blossom like the rose. The dispiriting labor which bent the form of the elder and sent the lads scurrying cityward has been lightened by devices that better accomplish the end sought. The long hours are shortened, and the farmer finds time to indulge in the enjoyments of life."

We much mistake the object and scope of education when we suppose that a residence in college halls is necessary to an education. We believe in colleges. They stand as outposts against ignorance. Thousands of the best men and women have been educated by them; but an education outside has been accomplished with excellent success in a multitude of instances. We often hear of very successful men in business spoken of as "uneducated." Are they? One in mind had a thorough knowledge of men. He could read them like a book. His judgment of stocks and investments was excellent. He had aggressiveness, caution, and yet was almost lavish in his outlays. He knew nothing of either Greek or Latin, but was well versed in the language of business. As a commander of men he was unexcelled; yet he was "uneducated." Was he? The most important definition just now needed for the new dictionary, soon to appear, is for this old word "education."

The Oak.—So far as experiments have shown, oaks are the best shade trees for cities. They are strong, durable, and beautiful and have few enemies. Owing to a popular notion that oaks grow slowly they have heretofore been little planted on streets, but several cities are now beginning to make use of them. The oldest oaks are to be seen in Hamburg, where the city has encroached upon the ancient forest. An avenue of this same species (*Q. pedunculata*) has been recently planted in Cologne, which, so far as I have observed, is the only city in Europe that has made use of the oak for street planting. In this country, the oldest oaks may be seen in Washington, where the red oak and pin oak in particular have been very successfully grown. Red oaks have also been recently planted in Boston between Franklin park and Huntington avenue.—From Cornell University Experiment Station Bulletin.

The use of gelatin for clarifying cider is practiced to some extent, as is also the use of blood, lime, plaster of Paris, alum and the whites of eggs. If gelatin is used, it should be in the form of isinglass, which should be dissolved in water or weak boiled vinegar, and added to the cider. The alcohol or tannic acid in the cider will coagulate some of the gelatin, and in failing it will bring down with it the impurities in the form of a sediment. If a cider has but a small amount of spirit or astringent in it, it may not coagulate the gelatin sufficiently, but a good ordinary cider would probably do so. Two or three ounces of gelatin would be enough for a barrel.—"Farm and Fireside."

Farm Notes.

See that the outlets to your drains are free. Such outlets require constant attention.

Look out also for the mice and rabbits in your orchard, also for the snow banks that may crush your trees and plants.

Exercise animals confined in stalls. No animal can remain long in good condition if confined in one position without exercise.

It is quite necessary that the apartments in which the cattle, horses and fowls are confined should be kept well lighted.

A plant has been discovered in Arizona that promises to be of great value as a tanning agent, as it adds weight to the leather.

See that there are furrows plowed in your fields so that the water can escape freely. This applies specially to the wheat and berry fields.

If there is a knoll in your wheat field spread a load of light straw manure over it when the ground is frozen, and notice what an improvement it will make in your crops.

Keep your cellars well ventilated. This may be done by connecting your chimney with your cellar by a stove pipe, through which a vast amount of foul air will escape.

The individual who is constantly exposed to winds and storms seldom catches cold. Remember this, you are always shutting yourselves away from every exposure in order to be healthy.

See that your horses, cattle and fowls have a variety of food. You recognize on your own table the necessity for a change of diet. Remember that your stock will appreciate a change as readily as yourself.

Keep the milk cows clean, also the stables in which they are confined. Consider the idea of going into a filthy stable to get a pail of milk for the table, knowing that milk will absorb bad odors in a few minutes.

Bushel crates with slatted sides are a handy device for handling potatoes, or apples, or for storing them. When filled they may be piled one over another five or six feet high. These do away with bins in the cellar.

Look to your drinking water supply, and be sure that you are drinking pure water. If milk cows consume impure water, it is almost as bad as though you consumed it yourself, if you use the milk and butter.

It will be time enough to mulch strawberries after you have received this copy of the Fruit Grower. Do not cover them too heavily, as a light covering is all that is necessary. Forest leaves are a good protection if they can be held in place by something heavier.

Hired Help.—I have had experience with hired help in both ways. If I have abundant household help, and can be sure of always getting competent young men of good character, I would much rather have the single man in my family. But if my wife has the care of a family of small children, and doing much or all of the household work herself, I have no right to add to her work the boarding of strange men. Our wives are all so willing to do their share that they are often imposed upon, and do much more than their share, with the result that they are worn out and broken down before they have lived half their days. We should not make a boarding house of our farm home while the wife is rearing a little family. We should have a tenant house for our farmer, or if living near one of the industrial centers, where it is almost impossible to get such single help as we want to take into our families, we must have the tenant house.—"Practical Farmer."

Harnesses that are continually used and are liable to become wet from rains and to be moistened by the sweating of the animal, require to be dressed with a preparation of oil to maintain a pliable condition and to preserve the life and strength of the leather. Below we give a receipt that is employed as a government harness dressing, viz: Take one gallon neat's foot oil, two pounds bayberry tallow, two pounds beeswax, two pounds beef tallow; put in a pan over a moderate fire; when thoroughly dissolved add two quarts castor oil; then while on the fire stir in one ounce of lamp black; mix well and strain through a fine cloth to remove all sediment. This affords a good dressing and should be applied as often as the harness requires to keep soft.

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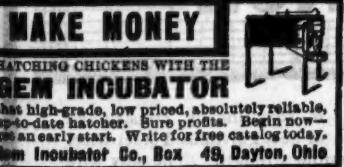
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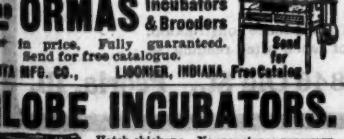
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Poultry Notes.

There is less profit in half-starved hens than in those too fat.

The crocodile, the chicken and the ostrich take pebbles with their food to aid in grinding it.

The qualifications for a successful poultryman are patience, perseverance, pluck, enterprise and capital.

If you do not love your poultry well enough to give them the proper care, you had better go out of business.

If there is any tendency to looseness of the bowels among poultry, give them coal ashes to pick over. This will correct it.

To cure feather pulling, wash the feathers of the victim birds with a mixture made by dissolving powdered aloes in alcohol.

Milk may soil the old hen's feathers, but there is nothing better for her in the way of food and drink at this season.

A good way to clean ducks, after picking, is to rub them well with a cloth that has been dampened and dipped in corn-meal.

To save the annoyance of foul-smelling chicken boxes, in which you have live-poultry, slip two or three sheets of thick paper in the bottom; when empty throw these away.

It is not too late to get in a few bushels of fine gravel for the hens to work at this winter. They will show their appreciation of your kindness by laying a good many extra eggs.

Fallen leaves or short straw will be useful in the scratching sheds for your poultry this winter. Scatter the grain among the leaves.

Nest eggs are useful to guide pullets or strange hens to locate the nest boxes, but that is about the extent of it. The old theory that the presence of nest eggs induces egg production, has long since been exploded.

Those who are tired of the old method of whitewashing the inside of the chicken coops, to exterminate vermin, can find a cheap paint and insecticide in crude petroleum, colored with Venetian red. It also has a preservative value for the wood.

The lice are still about; get rid of them. If you have an old iron pot handy try burning a lot of cedar shavings in the hen house. After having chased out the chickens, close up the building tightly and fill it with smoke. Those who have tried it say it beats any other method known.—Farm Journal.

One of the worst things the neat poultry keeper can do with the eggs, is to wash them, says "Farm Journal." The warm water opens the pores of the protecting shell, and the egg decays in a very short time. Better dirty eggs than spoiled ones.

But best of all, have a nest well-filled with clean, cut hay or straw. The ideal nest is made by turning a keg or barrel on its side, partially filling the bottom with hay, and leaving it where the biddies can discover its convenience.

A contented hen is always a good egg producer, and anything that worries or frightens the inhabitants of the poultry yard robs the egg basket. For this reason there should be shade trees in the yard where fowls are kept.

The roosts in the poultry house should be low, so that the fowls need not jump from any great height, which often causes bumblefoot—a swelling of the bottom and side of the foot.

When bumblefoot appears we lance the bottom of the foot, and poultice it with bread crumbs soaked in milk, or a scraped, raw potato.

Unlike many another branch of farming, poultry is a source of revenue and pays a profit every day in the year. The man who raises hogs or cattle (aside from dairy cows) is putting money into the business every day, with no revenue in return until the animals are sent to market. And even then his profits are not sure. Not so with the man who raises poultry. He can invest in a flock of fowls to-day, and within twenty-four hours they become a source of revenue, and there is always a sure market and a good demand for the product.

Comfort and contentment in the henhouse during cold weather means a full egg basket and consequent profit to the owner. Don't fail to gather a quantity of road dust before the fall rains set in, and as soon as the leaves begin to fall rake them up and store for litter this winter.

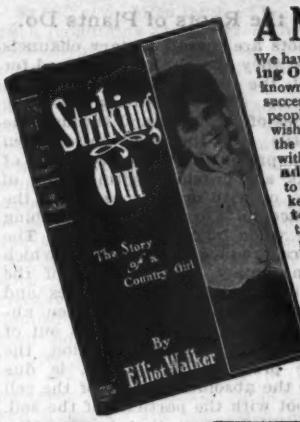
There is no economy in buying poor or musty grain. Aside from the fact that it lacks nutrient, it is often the cause of sickness, especially among the young stock. Better pay a good price and get good, sound grain. It is cheaper in the end.

Poultry continued on page 8.

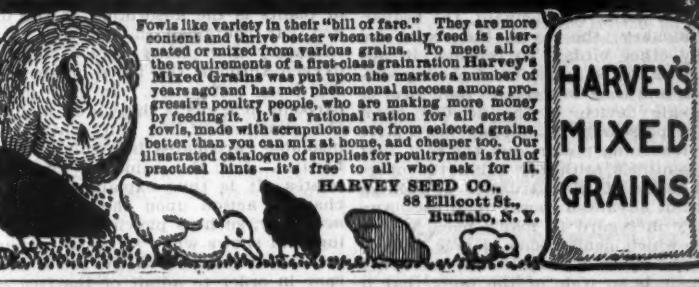
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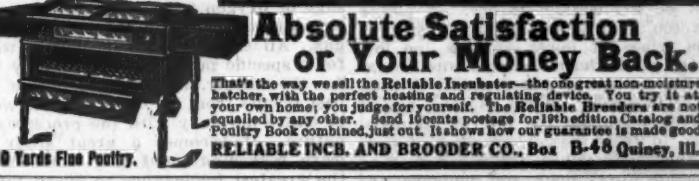
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M. B. M.

He used no mystery and no incantation,
No magic from the stars,
Yet this new fruit of his creation
Might almost come from Mars.

So different is it from all fruit creations
Found on this dreary earth
That we might believe the great magician
Used magic at its birth.

The fragrance of the sweetest flowers
hovers,
Within this Plumcot gold,
The sun's rays, like the kiss of lovers,
In one rich globule rolled.

O Master, if some power untold
Your vast creations from our world could blot
And leave us only this one fruit of gold,
Your name and fame would live in the plumcot.

Man and Beast.

Many tribes of animals have the habit, when necessity seems to require, of posting sentinels to guard from surprise. This practice is in use by the chamois, the deer, the wolf, the goat, the wild horse, the elephant, the beaver, the monkey; the raven, the crow, and many other birds. To consider in advance as to the necessity of placing sentinels, and then to resort to that form of strategic device, is the decided proof of the possession of no small perceptive and reasoning power, and the fact that the sentinels faithfully fulfill the onerous duties of their trust is a striking proof of advanced moral qualities. Any theory in regard to man's place in nature, which denies some degree of reason and moral perception to the lower animals is so wide of the facts that it must be a mistaken theory. It places man too high, and assigns to the various tribes of lower animals too low a position in the moral and intellectual scale to agree with observation. A wide and unnecessary chasm is thus placed between man and the inferior animals, when, in fact, the lower tribes of men and the higher tribes of animals, such as elephants, foxes, dogs, and monkeys, are not so greatly apart in the line of intelligence and moral perception. Savages recognise this affinity. Thus we are assured that certain tribes of negroes regard monkeys as their relatives, who have been deprived of the power of speech on account of their mischievousness and badness. The wonderful manifestations of instinct are so remarkable that the old theory ascribed it to God himself having directly implanted it "from without and from above," but that theory has been set aside by modern investigation, and it is now very generally recognized that instinct is the hereditary result of long experience. This being the case, all the manifold exhibitions of reflection and reason and careful, self-denying affection shown by the various tribes of animals must be ascribed to the workings of their intellectual and moral faculties through long periods of time.—"The Century."

Lots of men who rob Peter to pay Paul manage to stand Paul off.

Many a man salts away money in the brine of other people's tears.

She may be a thing of beauty until you see her emerging from the surf.

A warship goes on a whaling voyage when it starts out to whip somebody.

Occasionally a man on the downward path is traveling in the opposite direction.

It takes little grains of sand to enable some men to imbibe little drops of water.

Let the man who would reform the world begin on his neighbors and he will soon see his finish.

Cynics are men who find fault with the world because they were not consulted when it was designed.

Civilization has done a great deal for man, but it hasn't been able to prevent him stopping to look at a dog fight.

Tellers and dressmakers should have a kindly feeling toward the serpent which induced Eve to engage in the manufacture of fig-leaf garments.

Five Dollars for a Life.

We will accept \$5.00 for a life subscription to Green's Fruit Grower. Why not accept this \$5.00 for life offer? It will save you the trouble of renewing your subscription each year, which comes around so often.

You may select anyone of Green's books on Fruit Culture, Green's Poultry Keeping Book, or one of the premiums offered for one year subscriptions in this issue, naming it. When you send your \$5.00, we will send it to you.

Henry Ward Beecher says: "There are multitudes of men like dandelions—at first they look like disks of gold, and after a few days a puff will destroy them and no one knows where they were."

The brave man carves out his fortune and every man is the son of his own works.—Miguel Cervantes.

What the Roots of Plants Do.

The roots are the alimentary channels of plants; they absorb the liquid food for the plant, the only form in which it can be taken up. The operation goes on the extremities of the roots and through the root fibrils and the root hairs when they are present. The extremities of the roots are provided with a sort of spongiolite, or with organs possessing the same office as a sponge, in absorbing moisture when in contact with it. The root hairs produce a liquid acid which comes in contact with particles of the soil, which by its action corrodes and produces a solution which is then absorbed. This acid does not pass out of the cell, but the corrosive action, the digestive process so to speak, is due solely to the absolute contact of the cell of the root with the particles of the soil. Thus it will be seen that besides the liquid food that may be contained in the water or moisture in the soil, the digestive action of the roots is also necessary.

Another important office of the roots of plants is the absorption of the oxygen gas contained in the soil. It is necessary that plants have a supply of oxygen through the roots or they will die from suffocation. In this process carbonic acid gas is thrown off and with the moisture of the soil converts the insoluble carbonates into soluble bicarbonates, and the same of the phosphates. It is thus explained why mechanical action upon the soil becomes necessary, such as plowing and harrowing, and shows why "tillage is manure." As stated, loosening of the soil is necessary in order to admit of the free passage of oxygen to the roots for absorption and throwing off the carbonic acid gas. All the processes of nature work for a specific purpose and it is only left for the farmer, if he would derive the best results from his operations, to work in entire harmony with the processes of nature. It becomes a great study to learn regarding plant life, which is of the greatest importance to every farmer.

The Art of Letter Writing.

When we come to personal letters, the most intimate and important of all, it may frankly be acknowledged that the "Complete Letterwriter" stops at the threshold, says Harper's "Bazaar." To put ourselves—our best selves—on paper is the problem, and there is no greater one in the whole range of human intercourse. Yet, if we fail, if we put a foolish or mistaken self on the page, the letter had better never leave the desk. Hence comes the first law of personal letter writing—do not try too much. Do not try to be as spontaneous as in conversation. Do not try to be as frank as when face to face with one another. Consider the limits of paper and ink. Suggest, rather than explain, your feelings and ideas. Make the letter short rather than long. It is really hard to fall on a four-page letter; but if one does, a two-page letter is the next resource. If these two pages can be carefully written, in good English, if they convey a sincere and pleasant message, if they contain nothing that offends—then that letter is not a failure, though it may not be a brilliant success. The thing to be avoided is the rambling letter, the indiscreet letter, the gushing letter, the insipid letter.

"I verily believe," said Brother Gardner, "dat the foolishness of surtin parents in tyin' names to der offsprings has clouded an' wrecked many lives. Some yars ago a naybur o' mine named his baby Washington Lincoln Grant Smith. He was bound to fill dat boy chock full of military genius and statesmanship, but de chile wasn't four yars old befo' he realized dat it was too steep. He hadn't reached ten befo' he was a thief an' a liar, and de oder day he went to prison for burglary. De name was too long for the public to grapple wid an' so he was called 'Wash. Grant.' Latter on it got to be 'Washboard,' an' by de name of Washboard Smith he am registered on de prison books."

The Yellow Transparent Apple were fine specimens, in good order and of good quality and great beauty. They were grown on trees only two years old, which shows they are remarkably productive. From the fact that the tree is so hardy and productive and the fruit so good and handsome, it must become very popular in the colder regions of our country.

She—They married for love, didn't they?

He—Yes.

She—Are they happy?

He—Yes; the judge granted them a divorce yesterday.

Sometimes a man's warm love melts a girl's heart, and sometimes it is his cold cash.

One \$ Free—Just to Prove

I will pay for your first bottle of Dr. Shoop's Restorative.

There are no conditions. Nothing to deposit.

Nothing to promise. The dollar bottle is free.

Your druggist, on my order, will hand you a full dollar's worth and send me the bill.

I shall spend \$100,000—half a million, perhaps—this season that you may learn how Dr. Shoop's Restorative strengthens the INSIDE nerves—the nerves that control the vital organs. That you may know for yourself, after a fair, free test in your home, that this is something uncommon—something UNUSUAL in medicine. Not a narcotic or a deadening drug, but a strength-building, life-inspiring, tonic that gives lasting power to the very nerves that control the vital processes of life.

If the worries of business have left their scars on your good health; if careless habits have made you a wreck; if your nerve, your courage is waning; if you lack vim, vigor, vitality; if you are beginning to wear out; if your heart, your liver, your stomach, your kidneys, misbehave—this private prescription of a physician of thirty years' standing will strengthen the ailing nerves—strengthen them harmlessly, safely, surely, till your trouble disappears.

Inside Nerves.

Only one out of every 98 has perfect health. Of the 97 sick ones, some are bedridden, some are half sick, and some are only dull and listless. But most of the sickness comes from a common cause. The nerves are weak. Not the nerves you ordinarily think about—not the nerves that govern your movements and your thoughts. But the nerves that unguled and unknown, night and day, keep your heart in motion—control your digestive apparatus—regulate your liver—operate your kidneys. These are the nerves that wear out and break down.

It does no good to treat the ailing organ—the irregular heart—the disordered liver—the rebellious stomach—the deranged kidneys. They are not to blame. But go back to the nerves that control them. There you will find the seat of the trouble.

There is nothing new about this—nothing any physician would dispute. But it remained for Dr. Shoop to apply this knowledge—to put it to practical use. Dr. Shoop's Restorative is the result of a quarter century of endeavor along this very line. It does not dose the organ or deaden the pain—but it does go at once to the nerve—the inside nerve—the power nerve—and builds it up, and strengthens it and makes it well.

Don't you see that THIS is NEW in medicine? That this is NOT the mere patchwork of a stimulant—the mere soothing of a narcotic? Don't you see that it goes right to the root of the trouble and eradicates the cause?

But I do not ask you to take a single statement of mine—I do not ask you to believe a word I say until you have tried my medicine in your own home at my expense absolutely. Could I offer you a full dollar's worth free if there were any misrepresentation? Could I let you go to your druggist—whom you know—and pick out any bottle he has on his shelves of my medicine were it not UNIFORMLY helpful? Would I do this if I were not straightforward in my every claim? Could I AFFORD to do it if I were not reasonably SURE that my medicine will help you?

Simply Write Me.

But you must write ME for the free dollar bottle order. All druggists do not grant the test. I will then direct you to one that does. He will pass it down to you from his stock as freely as though your dollar laid before him. Write for the order today. The offer may not remain open. I will send you the book you ask for besides. It is free. It will help you to understand your case. What more can I do to convince you of my interest—of my sincerity?

Simply state which book you want and address, Dr. Shoop, Box 5410, Racine, Wis.

Book 1 on Dyspepsia.
Book 2 on the Heart.
Book 3 on the Kidneys.
Book 4 for Women.
Book 5 for Men.
Book 6 on Rheumatism.

Mild cases, not chronic, are often cured with one or two bottles. For sale at forty thousand drug stores.

Best Offer and Best Fence

We are making to farmers the best and most liberal offer ever made on high grade fence. We will state our offer here in plain words and leave you to be the judge.

First—The Price we make the farmer on Advance Fence is the lowest and most satisfactory, because it includes freight to your station. There is no guess work or disappointment about the price, no large freight bill to pay, no extras. We quote you a laid down price at your station—and that's the price. We have saved others as much as 15 cents a rod. Get our price and figure out how much we can save you.

Second—We allow 30 Days' FREE TRIAL on Advance Fence. Put the fence up when it arrives, and give it any test you wish. Climb over it. Let the stock run against it. Do this thirty days. Then if it disappoints you in any way, return it, and we will refund your money and pay freight back.

Third—We Ship Direct From Factory to You. No jobber or dealer to make a profit out of you. We were the very first fence makers to sell direct to the user. This economical method of marketing enables us to save our customers thousands of dollars.

Fourth—We Offer You 26 Styles of Fence to choose from. This enables you to make a wise selection. The largest dealer carries no such line of sizes and styles. Don't buy what you don't want just because a dealer wants to sell it to you. We fit you out perfectly, for hogs, poultry, stock, garden or field.

ADVANCE

Advance Fence is scientifically constructed of best galvanized steel wire. The top and bottom selvage are double strength. The stay wire is continuous, being twisted with the selvage from one stay to the next and wrapped twice around each line wire as it passes across the fence. The slight crimp at the intersection of the stay with the strand wire prevents the stay from slipping, and also provides for expansion and contraction. There are no loose ends, as in fences with cut stay wires. Advance Fence is the superior fence, without regard to price. You couldn't buy a better made fence though you paid more money.

Get our free Fence Book and study fence construction. You will be a better judge of fence after reading it.

Advance Fence Co., 6846 Old St., Peoria, Ill.

Green's Gift.

It is the best thing in the world for the baby to feed itself. Our grandchild has one. No baby can get on well without it. What more attractive gift can you make your own baby or your grandchild? We will mail, prepaid, this heavily silver-plated spoon with gilt bowl as a premium to all who send us 60 cents for one year's subscription to

Green's Fruit Grower.



Prove

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Warranted to Give Satisfaction.

**Gombault's
Caustic Balsam**

Has Imitators But No Competitors.

A Safe, Speedy and Positive Cure for Curb, Splint, Sweeny, Capped Heel, Strained Tendons, Founder, Wind Puffs, and all lameness from Spavin, Ringbone and other bony tumors. Cures all skin diseases or Parasites. Thrush, Diphtheria. Removes all Bunches from Horses or Cattle.

As a Human Remedy for Rheumatism, Sprains, Sore Throat, etc., it is invaluable. Every bottle of Caustic Balsam sold is Warranted to give satisfaction. Price \$1.50 per bottle. Sold by druggists, or sent by express, charged full, with full directions for use. Send for descriptive circulars, testimonials, etc. Address

The Lawrence-Williams Co., Cleveland, O.

Please mention Green's Fruit Grower.

**Josiah Reed's
Experience with
CANCER**

CLAYPOOL, IND., June 30, 1904.

DR. D. M. BYE CO.,
Indianapolis, Ind.

GENTLEMEN—I will write what the Combination Oil Cure has done for my cancer. It was December when I first corresponded with you, and how hard it was to convince me, even after the literature had been sent, that cancer could be cured. I had been taught from my youth up that cancers could not be cured by man. At the time I began treatment, the cancer, which was located beneath my left eye, protruded to such an extent that I could not wear my glasses, and the sight of my left eye was impaired. It had been growing for about six years, beginning when I was 72 years old; am now 78. My father before me had a cancer that caused his death. After using your treatment as you instructed, my cancer was entirely eradicated, and to-day there is hardly a scar left and the sight of the eye is nearly as strong as the other one, praise the Lord. I hope that your name will never die, and that your soul will forever find rest in Him. Your unworthy servant, healed and saved to the uttermost.

JOSIAH REED.

All forms of cancer and tumor cured by soothing, balmy oils. Doctors, lawyers and ministers endorse it. Write for free book to the Home Office of the Originator, Dr. D. M. Bye Co., Drawer 505, Dept. 91, Indianapolis, Indiana.

[Cut this out and send to some afflicted one.]

FENCE YOUR ORCHARDS
and Farms with the Superior Fence Machine.

With it you can weave your own wire fence to conform to the land. ONE-HALF THE COST of ready-woven fencing. It is also invaluable in repairing wire fence with cross stays. The price is so low you can't afford not to buy it.

SUPERIOR FENCE MACHINE CO.,
187 Grand River Ave., DETROIT, MICH.

WE'LL PAY THE FREIGHT
and send 4 Buggy Wheels, Steel Tire on, - \$7.25
With Rubber Tire, \$15.00, 1 mfg. wheel \$4 to in.
tread. Top Buggies, \$28.75; Harness, \$9.00. Write for
catalogue. Learn how to buy vehicles and parts direct.
Wagon Umbrella FREE. W. M. BOON, Cincinnati, O.

TREES AND PLANTS BOXED FREE

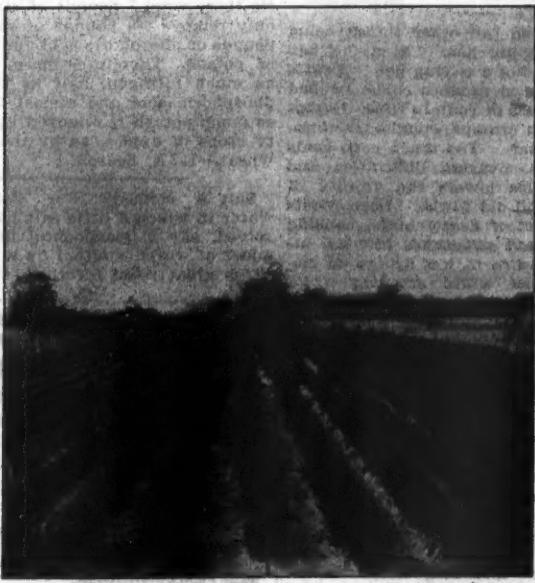
With the coming spring of 1905 Green's Nursery Co., will make a radical change in its business which, in effect, will amount to a present to our patrons of from \$5,000 to \$10,000. This change may not seem a radical one to our patrons since it does not amount to a large sum to any one of them. With the opening of spring we shall make no charge for boxing or packing plants, trees and vines. When you receive a box of trees it may not occur to you that the box, nails, the hoop iron, the moss and even the straw or paper used in packing, costs in the aggregate a large sum of money. The lumber costs several thousand dollars. We may use perhaps thirty to fifty kegs of nails, possibly a ton of hoop iron, twenty-five tons of straw, ten tons of moss, five car loads of excelsior, during the packing and boxing of one spring season. But these items are the smaller expenses connected with the packing season. The great expense is in the labor of digging the trees, caring for them and packing them. The above is all in addition to the cost of growing the trees, which is great since it is often four to six years after planting a seedling before the budded or grafted trees are large enough to be sold to planters. One object in making no charge for boxing is that our patrons are troubled to know how much to send us for boxing, never knowing exactly the amount although we try to make it plain. Remember then that you have to pay no boxing for trees ordered of Green's Nursery Co. this spring.

Lime or Sulphur Wash not Improved by Salt or Soda.—The Geneva, N. Y. station reports follows: As a whole the work shows that sulphur washes applied in the fall for San Jose scale may under certain conditions cause injuries such as sometimes attend the excessive use of these sprays in the spring. But it is believed to be advisable, when experience has shown that it is impossible to spray all of the trees in the spring, to employ fall spraying for treatment for the harder varieties of fruits;—as the increased vigor and usefulness of the trees arising from the control of the scale will more than compensate for probable losses in fruit yields.

All of the washes tested proved equally effective in the destruction of the scale. The addition of caustic soda or salt to a lime-sulphur wash cooked by fire or steam did not add to its effectiveness. While satisfactory in the present experiment later tests with the lime-sulphur-salt wash prepared without external heat showed that there may be considerable variation in the different preparations which may be largely avoided by using high grade lime and knack in the cooking operations. The washes that are well suited to the needs of average orchardists are the lime-sulphur wash boiled by fire or steam and the lime-sulphur-caustic soda wash, prepared without external heat. In conducting the experiments this spring the following method was adopted for the preparation of the lime-sulphur-caustic

New York Mountains.—The Adirondack mountains are the great health resort of the eastern states. There are many sanitariums located in these mountains filled with consumptives, and in addition to these there are thousands of smaller hotels, or cottages where sick people are boarded. Consumptives are urged to live out doors both summer and winter. If they resort to the mountains early enough, before the disease has crippled them too seriously, and stay there long enough, and do as they are told about living out doors, with proper exercise and diet, there is great hope of their recovery. But a large number are so impatient to get back to their homes and friends that they are induced to leave the mountains before they are fully cured. This is a fatal mistake. The mountain air is dry, pure and fragrant. You can taste the flavor of the balsam and spruce in the air you breathe. The altitude varies from 1,500 to a little over 2,000 feet. Whether sick or well you will be influenced by the elevation, and by the bracing qualities of the mountain air, so that when you return to your home on the lower levels you will feel depressed for a few days. Those who visit these mountains are advised to walk or row as much as possible in order to induce deep breathing. But this deep breathing would be beneficial anywhere, this season of the year than at any other

"There should be less drunkenness at time," said a specialist in nervous dis-



CULTIVATING ASPARAGUS ROOTS.—The above is from a photograph of a scene at Green's fruit farm where asparagus roots are being grown. These roots of asparagus came from seed of a choice variety sown early in the spring in narrow drills or rows which admit horse cultivator between them. During the first few months these rows of asparagus look like rows of small pine trees. The growth is gradual but persistent, and by the end of the season the rows may look usually as thrifty as those shown in the illustration. When the plants have grown two years in these rows they are dug up and sold or transplanted into similar rows, each plant set 12 to 18 inches apart in the row. I can think of no plant more healthful or toothsome than asparagus. A bed once established will continue producing for a lifetime. A dish of well-cooked asparagus is more delicious than a dish of green peas.

soda wash as it is an easier way of making the mixture. First the sulphur was made into a thin paste with hot water and was then poured over and well distributed throughout the lime. Additional water was used as needed to keep the lime-sulphur material in a rather stiff paste. As soon as the lime was slaked the full amount of caustic soda was added and stirred until the boiling action had ceased. Enough water was then poured in to make the required amount of wash. By using boiling water in making a paste of the sulphur and slaking the lime much less time is needed to prepare the wash.

Lime-sulphur-wash formula: Lime, 15 pounds; sulphur, 15 pounds; water 50 gallons.

The Bird's Superior Eye.—The sight of birds is extraordinary and the simple fact that the eye of a hawk or a pigeon is larger than their whole brain gives some idea of what their powers of sight must be, and of how easily they can fly hundreds of miles if they have marks to guide them. Very little attention has yet been given by eye surgeons to the eye of the bird and other animals, from which so much is to be learned.

"You don't care much for display?" "Not much," replied the very wealthy man.

"Yet there is some satisfaction in not being wholly out of style."

"That is the point, precisely. The things that money buys go out of fashion in a few months, but the money itself becomes more stylish every century."

It is good to live the unknown.—Charles Lamb.

There are some defeats more triumphant than victories.—Michael De Montaigne.

orders who has a private sanatorium for the treatment of wealthy dipsomaniacs. "It is not generally known—in fact, I claim the honor of the discovery that roasted chestnuts are a good antidote for liquor. The average man who drinks under high nervous pressure, not for the sake of sociability, but because the alcohol stimulates him to a greater effort, is the one whose nervous system is most quickly undermined. He may never get drunk, but there is the constant demand for overstimulation that works damage in the end. No sooner does the effect of one drink wear off than there is the craving for another. Now, if that man would eat a few roasted chestnuts instead of taking another drink when the feeling comes on him, he would find that the substance of the nuts, having quickly absorbed the liquor already in his system, had appreciably decreased his longing for more alcoholic stimulant. It isn't a thought. I know it to be true."

Puzzles.

Written for Green's Fruit Grower.

First.—There are two ducks in front of a duck, two ducks behind a duck and one duck in the middle. How many ducks in the row?

Second.—Another: A beggar had a brother and the brother died. The man who died had no brother. Who was the beggar?

Third.—Here is one for the boys and girls: Which is the most, 6 dozen dozen, or 1-2 dozen dozen.

Fourth.—We are two sister's sons. Our father is our grandfather; how strange our kindred runs.

Every dog has his day, likewise every Thomas cat has his night.



A BOTTLE OF SWANSON'S
"5-DROPS"

Will be Sent Postpaid, Absolutely Free to Any Reader of This Paper. Write Today.

**A POSITIVE CURE FOR
RHEUMATISM, NEURALGIA,
KIDNEY TROUBLE** AND KINDRED
DISEASES.

Those who are suffering the horrible tortures and agony caused by Rheumatism, Lumbar, Sciatic, Neuralgia or Kidney Trouble will find quick relief by the use of "5-DROPS". It is the only remedy which will almost instantly relieve those excruciating pains and effect a permanent cure of these terrible diseases. Apply "5-DROPS" externally, rub thoroughly on the afflicted aching parts and it will stop the pain in a very short time. It is the greatest pain killer in the world. Take "5-DROPS" internally. This will cleanse the blood of uric acid and all other poisonous matter and put the system in a perfectly healthy condition. When this has been done, you will be free from all aches and pains. Rheumatism is a blood disease and this treatment is the only rational one for such an ailment. "5-DROPS" will cure rheumatism in any of its forms or stages of development.

A PERFECT BLOOD PURIFIER
No other medicine will cleanse the blood of impurities so quickly as Swanson's "5-DROPS". It leaves no bad after-effects, but builds up your health, restoring strength and vitality to the entire system.



NOTE—Large Size Bottle "5-DROPS" (300 Doses) \$1.00. If "5-DROPS" is not obtainable in your town, order from us direct and we will send it prepaid on receipt of price.

FOR SALE BY DRUGGISTS,
SWANSON RHEUMATIC CURE CO.,
160 LAKE STREET, CHICAGO.

WALL PAPER OFFER.

FOR 25 CENTS YOU CAN PAPER A ROOM.



SEARS, ROEBUCK & CO., CHICAGO.



High-Grade Flower Seeds.

20 Packages FOR 10c

SEEDS.

Aster, 16 Candytuft, 10 Portulaca, 20

Bachelor's Buttons, 10 Marigold, 10

Beet, 10 Eschscholtzia, 10 Sweet William, 10

Borage, 12 Zinnia, 12 Petunia, 10 Larkspur, 12 Sweet Alyssum, 10 Nasurtium, 10 Callopis, 8 Balsam, 18 Pinks, 10 Sweet Mignonette.

All of the above sent to any address, postpaid for 25 cents, two cents postage.

As premiums and to introduce our seeds into every household, we will also send a collection of fine, beautiful bulbous free with catalogues.

SOMERVILLE NURSERY,
Somerville, Mass.

I pay from \$1 to \$100 for thousands of rare American and foreign coins, stamps and paper money. Especially wanted over 150 different issues, dated between 1840-1885, a great many of which I pay as high as \$100 per coin. For the older rare issues before 1840 I pay much higher prices. A Boston Baker sold recently four coins for \$100.

OLD COINS

and 65 coins and medals brought over \$6000. The Journal states that Mr. Castle paid \$400, for a single stamp, and the Globe that a Galveston man found a coin worth \$5000. If you are interested in large legitimate profits send two stamps and a post card. Circular and make a few thousand quiet.

W. von Bergen, Sedley St., G. Boston, Mass.

WANTED



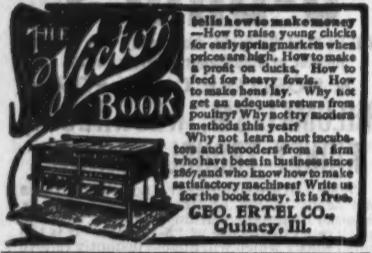
For best pictures of yards or lawns sown with my famous flower seeds

I Offer \$100 in Prizes

Send me 50 and names of two flower-loving friends and receive 4 packets of pure, fresh seeds—Nasturtiums—50 kinds; Royal Show Pansies—100 colors; Sweet Peas—40 varieties; Aster—all kinds.

FREE! "Floral Culture" and my 13th Annual Catalogue filled with rare flower seed bargains.

MISS C. H. LIPPINCOTT
Pioneer Seedsmen of America
519 6th St., Minneapolis, Minn.



OUR NEW BOOK
ON POULTRY for 1905 is the most practical book ever published on the care of poultry in health or disease. Gives best plans for houses, pens, and yards for meat flocks and how to **MAKE BIG MONEY**. Send for mailing. Fowls and eggs for sale cheap.

JOHN BAUSCHER, Jr., Box 43, Frosport, Ill.

YOU CAN BUILD IT YOURSELF
We tell you how to do it, show views of machines, and tell you how to make them satisfied.
"How to Make and Save Money with Incubators and Brooders." Full of good things. Invaluable to the beginner. You save half the cost of your Incubator. None hatch better. Get the Book and know for yourself. It's free.

CHAMONIX, SHOW & CO., Dept. L, Quincy, Ill.

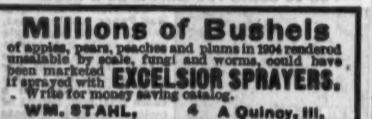


FOR HATCHING

\$2.00 for 12

From prize-winning breeds. S. C. Brown Leghorns, White Wyandottes, Barred and White Hocks. Price of Cookers and Pulletts \$1.00 each. Trios \$7.50. Green's Poultry Book for 25 cents.

GREEN'S NURSERY CO.,
Rochester,
N. Y.



Millions of Bushels
of apples, pears, peaches and plums in 1904 rendered unmarketable by insects, fungi and worms, could have been marketable if sprayed with EXCISION SPRAYERS.

Write for money saving catalog.

WM. STAHL, 4 A Quincy, Ill.



**Mergenthaler-Horton
Basket Company.** Paducah, Kentucky
Manufacturers of

BERRY BOX MATERIAL
Made of White Wood or Poplar

Orders in Carload Lots Solicited.

Write for Prices.



GREAT BARGAINS IN SEEDS

To gain new customers will send
10 Pts. Vegetable Seeds 25c
Fine Catalogue Free. Gardeners
ask for Wholesale List.

ALNE BROD.
No. 20 & 22, ROCKFORD, ILL.

STEEL ROOFING 100 SQUARE FEET \$2.00

WE PAY FREIGHT East of COLORADO
Except Oklahoma, Indian Territory and Texas.
Strictly new, perfect steel sheets, 6 and 8 feet long. The best roofing, sliding or ceiling you can buy. Priced two sides. Flat, 1/2, corrugated or V-shaped. Popular pattern. Price for free catalog \$1.00. Send 25c on material from Sherriffs and Moulton's Sales.

CHICAGO HOUSE WRACKING CO.
35th and Iron Sts., Chicago.

WONDERFUL STOVE MAKER

BURNS 905 AIR—ONLY 105 OIL—GAS
1000 BTU. The most beautiful stoves
with Fireless, Valves, Oil, Gas, Stoves,
Splendid for cooking; also heating rooms,
stores, offices, etc., with Radiator Attachment. No wick, dips, or
sashes—no coal bills or dredges—
no smoke—no waste fuel. Use to save
a week's shopping for coal. Economical
for cooking for small family.
Easily operated—absolutely
safe—all sizes, 50 up. Write
Catalog FREE and Special
Agents WANTED—\$40 Weekly. Address
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Easter Lily.

Written for Green's Fruit Grower by
N. A. Trussell.

It feels the bright sun warming
The sod in which it lays,
Forgets the cold and storming
Of tedious winter days;
With upward push, sends shaft of green
On which unrolling leaves are seen
Encrowned with emerald white,
That bursts with fragrance in the light.

Of these I'd learn a lesson,
O teacher, silent, mild;
To rise o'er grief's depression,
And sorrow's tempest wild—
The dark, the present piercing cold
A nucleus of life enfold.
That time shall prove a budding-rod.
To steady falter'ing steps w'rd God;
Thou teachest this, O Easter-flow'r.

Above the shadow and the storm
Know, thou, the sun shines, clear and
warm;
Thus shines the Sun of Righteousness,
Cold hearts to warm, all lives to bless.
—N. A. T.

The hen that is housed out and fed
properly and does not lay as often as
every other day at least is generally
either lousy and excessively fat or lacking
in vigor or both.

If the poultry house has not already
been thoroughly cleaned and whitewashed,
better get at it at once. Fowls exposed to drafts or cooped in foul, ill-
ventilated shelters at this season of the
year are almost sure to become victims
of catarrhal colds or roup because of the
lack of cleanliness and proper protection.
Better no shelter at all than for
fowls to be compelled to sit in drafts or
perch above noisome filth.

A healthy hen (all other things being
equal) is a laying hen. A laying hen is
the only kind of a paying hen. Drafts
of air are sure to produce colds, swelled
heads, bronchitis or roup in time. Dampness
results in cramps, coughs, rheumatism and canker.
Too much corn leads to indigestion, ovarian difficulties and
apoplexy. Lice lowers the vitality of
both young and old fowls. High roosts
bruise the feet of heavy birds, causing
bumble foot and sometimes internal
injuries. Exposure to wet brings on catarrhal
troubles, while drinking from
stagnant pools lessens the egg-yield and
invites diarrhoea. Lack of grit predisposes
to liver diseases. Frozen food
lacks nutrition and impairs digestion.

If for any reason the winter poultry
houses were not cleaned and made ready
for use last month, no earlier time than
the present can remedy this needful
work. Better clean up now.

Raspberries for Evaporating. — L.
Pierce of Ohio asks whether it is profit-
able to grow raspberries for evaporating
purposes and which are the best varie-
ties. Reply: Red raspberries cannot
be profitably grown for evaporating.
Where blackcap raspberries can be sold
at from 25 to 30 cents per pound or higher
they can profitably be grown for
evaporation. About fifteen years ago
Western New York was pretty well cov-
ered with black raspberry fields, some
of them comprising 10 to 20 acres, grown
largely for evaporating purposes. The
fruits were not only used for the table
thus evaporated but were used for
coloring or dying cloths in the course of
their manufacture. Recently the price
of evaporated berries in the East has de-
clined so that it is no longer profitable
to evaporate them here.

Do Us a Favor.—Half the pleasure in
life is doing favors for others. Do you
want to do a favor for the editor and
publisher? If you do and at the same
time desire to benefit yourself, renew
your subscription without delay to
Green's Fruit Grower, or to any other
publication that you desire to take during
the coming year.

This is the time of year when renewals
should be made with promptness. How
easy it is to postpone such affairs. You
do not want to postpone this, you want
to attend to it in a businesslike manner,
therefore you will sit down at this moment
and send in your renewal.

If in addition to this you can recom-
mend Green's Fruit Grower to some
neighbor or friend you will be doing us
another favor.

Prospects for Fruit Crop.—The pros-
pects for fruit the coming year are
good, but it is early yet to judge of
many parts of the country. The first
reports come from Missouri where 200
fruit growers have reported that the
fruit prospects for Missouri are good.
At Rochester, N. Y., the ground is heavily
covered with snow which is favorable
for fruit, particularly small fruits. We
will be glad to have the readers of
Green's Fruit Grower report the pros-
pects of fruit in their locality briefly.

Be not like the stream that brawls
Loud with shallow waterfalls.
But in quiet self-control
Link together soul and soul.

Mistakes of Apple Growers.

Editor Green's Fruit Grower: I believe
there are many apple trees annually de-
stroyed because of the poor quality and
perhaps small quantity of fruit produced
during late years, whereas formerly
neither quality nor quantity was lacking
and these trees were valued as highly
as any in the orchard.

Unless decayed or badly mutilated by
storms it is better to look up the cause
of deterioration before destroying a fa-
vorite apple tree which required many
years to mature.

Among farmers it has been quite gen-
erally considered as unnecessary to fer-
tilize the orchard under the belief that
the soil naturally contains enough plant
food to supply the growth of either for-
est or fruit tree. I believe this is a
mistake; after the fruiting of an apple
tree begins there is a constant drain
upon the soil's fertility in order to sup-
ply the annual growth of fruit leaves
and roots.

At Cornell Experiment Station interesting
studies and experiments have been
made regarding the relative amounts of
fertilizing elements required by twenty
crops of apples, with leaves and twenty
years of continuous wheat growing. It
is stated that in twenty crops of apples
of fifteen bushels per tree with thirty-
five trees per acre with their leaves there
are consumed 1,337 pounds of nitrogen,
310 pounds of phosphoric acid and 1,396
of potash. Twenty continuous years of
wheat growing if the average yield was
15 bushels per acre and to every 3 bus-
hels there were 7 pounds of straw, would
only remove 660 pounds of nitrogen, 211
pounds of phosphoric acid and 324 pounds
of potash. Therefore, more than twice
as much nitrogen, half as much again
phosphoric acid and almost three times
as much potash is removed by the twen-
ty crops of apples, as by the twenty of
wheat. —E. A. Season.

Salt a Remedy for Colds.—Warm
water in which a little salt has been dis-
solved, say a teaspoonful of salt to a
quart of water, snuffed up into the nose
gives great relief for colds or influenza.



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both to one address, \$8.95. Same combination for 100 eggs, \$13.95.
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which cost half as much more. Balance wheel 2 1/2 inches. Price, without stand,
only \$6.50; stand, \$2.00 extra.

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Cooker, \$9.25. Poultryman's Pump, \$2.85. Complete Caponizing Set, with book of instruc-
tions, postpaid, \$2.50. Handy Corn Sheller, with Pop Corn Attachment, 95 cents. Clover Cutter for
75 hens, \$2.50. **SPECIAL POULTRY AND POULTRY SUPPLY CIRCULAR SENT FREE.**

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Brilliants.

Free men freely work:
Whoever fears God, fears to sit at ease.
—Elizabeth Barrett Browning.

Without halting, without rest,
Lifting Better up to Best;
Planting seeds of knowledge pure,
Through earth to ripen, through heaven
endure. —Emerson.

Because the rose must fade,
Shall I not love the rose?
Because the summer shade
Passes when winter blows,
Shall I not rest me there
In the cool air?

Because the sunset sky
Makes the music in my soul,
Only to fall and die.
Shall I not take the whole
Of beauty that it gives
While yet it lives?
—Richard Watson Gilder.

O to be up and doing, O
Unfeared and unashamed to go
In all the uproar and the press
About my human business!
My undissuaded heart I hear
Whisper courage in my ear.
Thou, O my love, O my friends—
The gist of life, the end of ends—
To laugh, to love, to live, to die,
Ye call me by the ear and eye.
—Robert Louis Stevenson.

These are the gifts I ask
Of thee, Spirit serene:
Strength for the daily task,
Courage to face the road,
Good cheer to help me bear the travel-
er's load,
And, for the hours of rest that come be-
tween,
Inward joy in all things heard and
seen.
These are the sins I fain
Would have thee take away:
Malice, and cold disdain,
Hot anger, sullen hate,
Scorn of the lowly, envy of the great,
And discontent that casts a shadow gray
On all the brightness of a common day.
—Henry Van Dyke.

Col. Hunter's Philosophy.

Be brief and pertinent; not curt and
impertinent.

"Life ain't in holdin' a good hand,
but in playin' a poor hand well."

All things come to those who get tired
waiting and go after them.

Late to bed and early to rise spoils
a man's temper and reddens his eyes.

Heaps of room at the top, but there
are no elevators. You'll have to climb
step by step.

A rolling stone winds up in a ravine.
It will never roll to the mountain top
unless it is pushed.

Lots of men want the earth, and when
the undertaker gets ready to give it to
them they don't want it.

"If I were young," said a rich banker
the other day, "I could make a million
dollars with my money in a very short
time." Hear ye, young men; never in
the history of the world have there been
such opportunities as now. Don't idle.
Get busy. Do it now.

"During all my life," says Joe Kip,
"I have known many men who violated
all the rules of life, and seemingly pros-
pered for a time, but every one came
to ruin. When a man is pursuing the
wrong course, his ruin is certain as his
death. The great thing in life is not
to find something new, but to study that
which is old, and profit by the mistakes
that have been made." Honesty leads
to success. Dishonesty to ruin. These
rules are as fixed as the movements of
the earth.—Star Monthly Solicitor.

Here are some quotations from the
advertisement of a New York apple
dealer: "Fancy selected Baldwins
twenty-pound boxes, at \$1.25 per box;
fancy selected Vermont Snows, 50-pound
boxes at \$8.00; selected Colorado Jon-
athans, 25-pound boxes, at \$2.25." This,
too, in a year when common
stock is sold from the orchards for 75 cents a barrel! Is
there not a moral here somewhere? Of
course, this is carefully selected fruit.
Everybody cannot grow it, but many
people can. The trees must be good,
healthy, well pruned and cared for. But
it is worth one's while to give some extra
attention to fruit worth \$10 per barrel.
Here is food for reflection, at least,
says "Farmer's Voice." If the fruit is
so valuable this season, how much would
it be in an "off" year?

An Idaho ranch owner recently dis-
covered that he had been robbed by
one of his herders of 3,000 sheep, which
had been shipped to Chicago and sold
for \$7,000. The owner runs a grocery
business in Boise City and only occa-
sionally visits his ranch.

There may be such a thing as a man
who has stolen once and then stopped,
but we don't know him.

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Helps and Recipes.

Iron rust may be removed by salt
mixed with a little lemon juice. Put in
the sun. This may be done twice.

Neuralgia and toothache are sometimes
speedily relieved by applying to the
wrist a quantity of grated horse-
radish.

The best thing to clean tinware is
common soda; dampen a cloth, dip in
soda, rub the ware briskly, after which
wipe dry.

A little saltpeter or carbonate of soda
mixed with the water in which flowers
are placed will keep them fresh for two
weeks.

Hemorrhage of the lungs or stomach
is promptly checked by small doses of
salt. The patient should be kept as quiet
as possible.

Hoarseness and tickling in the throat
are best relieved by garge of the white
of an egg, beaten to a froth, in half a glass
of warm, sweetened water.

To clean nickel on stoves, take the
dust from hard coal ashes, to be found
in the hole under the ash pan, apply with
a wet cloth, polish with a dry one.

Insect bites, and even that of a rattle-
snake, have proved harmless by stirring
enough of common salt into a good egg
to make it sufficiently thin for a plaster,
to be kept on the bitten part.

Good enamel for carriage tops: As-
phaltum, one hundred and fifty parts,
boiled oil three parts, benzine twenty
parts; melt the asphaltum in the oil,
and add the thinners.

A small piece of paper or linen, moist-
ened with the spirits of turpentine, and
put into a bureau or wardrobe for a single
day, two or three times, is said to be
sufficient preservation against moths.

In a case of poisoning, one of the best
emetics is salt and water, the quantity
being two or three spoonfuls to about a
pint of tepid water. Its acts promptly
and has the advantage of always being
near at hand.

Ordinary newspapers are very im-
pervious to cold. If apples are to be
shipped during winter, line the barrels
with two or three thicknesses of paper,
and the apples will rarely freeze if
properly protected.

Old putty can be removed without inj-
ury to the sash or glass by passing
a hot soldering iron over it. The heat
of the iron softens it readily, and per-
mits its removal with a knife or chisel
without much trouble.

Erysipelas, a disease coming without
warning and ending fatally in three
or four days, is sometimes very prompt-
ly cured by applying a poultice of raw
cranberries, pounded and placed on the
part over night.

Clinkers may be loosened from fire-
bricks by throwing in the fire-box, when
very hot, two or three quarts of oyster
or clam shells, or a less quantity of
salt, allowing the fire to go out, and then
cleave off the clinkers.

Dr. Mortimer Granville, of London,
say that the man who thinks he has
caught cold should take a large pinch
of pungent snuff, like the rapee or fine
Scotch and wrap his coat around him,
while he has a big fit of sneezing. This,
he says, is nature's remedy for a chill.

To Keep the Machinery from Rusting.—
Dissolve one pound of lard, to this add
one ounce of camphor; take off the scum
and mix in as much fine black lead as
will give it an iron color. Clean the
machinery and smear it with this mix-
ture. After twenty-four hours rub clean
with a soft linen cloth.

She was holding one end of the sofa
down and he the other, and for seven
consecutive seconds silence had
reigned supreme. Then he said:
"I wonder if any girl ever really did
propose?"

"I don't know," replied his fair com-
panion, "but I'm sure no girl would do
such a thing unless she was obliged to."

Several more silent seconds passed.

"Um-yes," he said. "I hadn't thought
of it in that light."

"And I'm sure," she continued, as she
moved over and laid her hand softly on
his arm, "you would never permit a
girl to humiliate herself in that manner,
would you?"

"Why-er-I—that is, of course not,"
he stammered.

The ice having been broken, the rest
was easy, and five minutes later they
were engaged in looking up the adver-
tisements of firms that sell furniture on
the installment plan.—Chicago "News."

Meat is Poison.—One of the most ex-
treme vegetarians is the well known
Russian sculptor, Prince Troubetzkoi,
who recently visited Paris. He considers
meat eaters not much better than can-
nibals, taboo even eggs and milk, and
lives on vegetables boiled in oil, salads,
fruits and bread. At his home in St.
Petersburg he has a number of ani-
mals, including a bear, two wolves and
nine dogs, none of which is ever allowed
to eat meat.

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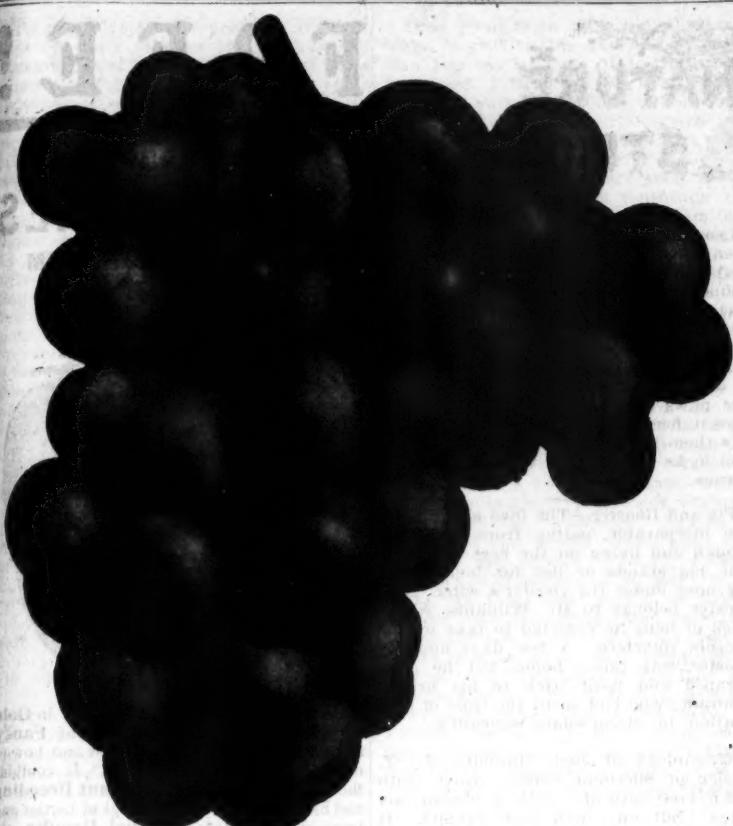
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globe in search of a knowledge of wild
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C. A. GREEN.

Address, GREEN'S FRUIT GROWER, Rochester, N. Y.



THE REGAL LONG KEEPING RED GRAPE.

Our attention was called to this valuable variety by Matthew Crawford, of Ohio, who has fruitied it for several years upon his place. Notice the remarkable growth of the vine and its marvelous productiveness. I have before me on my table clusters of the Regal Long Keeping Grape. The color of the grape is a bright, attractive red. This color is greatly in its favor since red grapes are the ones wanted in the market and those difficult to secure. The berries are large and set compactly together in the clusters. The flavor of the grape is fine and the quality good. The skin is remarkable, being thin but tough, with a raisiny flavor. It is the skin which makes the Regal grape a long keeping variety. Regal grape has been bearing at the Geneva Experiment Station for several years, where it has done well and has been favorably mentioned by that station. Matthew Crawford says: "The Regal grape was expressed in common half bushel baskets filled to the brim, to my friends in Cleveland, Chicago, Beaver Falls, Pa., Painesville, O., and elsewhere, and they never failed to arrive in good condition." Anyone who notices the skin and its firm adherence to the stem will be satisfied it is a good keeping grape.

Cats and Dogs.—I am not a particular friend of either cats or dogs—at least, I do not want them as companions—yet both are very useful in their places. I have a cat and a half—that is, an old cat and a half-grown one, the latter to take the place of the former when that gets to be too old for business. My barn and outbuildings used to be overrun with rats, and the fields with mice. The old cat, by untiring efforts, has cleared out the rats and mice, so that I can leave the grain-bins open right along, and corn or other grain standing about on the barn floor without having it disturbed. This old cat has also hunted the fields over, so that this year I have not seen a single field-mouse under the shocks in the corn field. Besides these services, this faithful hunter has cleared out the flock of pigeons, and undoubtedly has caught and devoured a goodly number of robins and English sparrows, for all of which I give pussy credit. So the cat has a place and this place is the barn and the fields. I don't want it in the house, nor as a plaything for the children. I can get along without a dog, however. In isolated neighborhoods a watch-dog may be of service. Otherwise dogs are a source of trouble, and often a real danger.—Farm and Fireside.

Remarks: Here's a man who evidently wants all things good but desires not to give anything in return. He acknowledges the valuable services of the cat, is grateful in his sense that all the rats and mice have been cleared out, is pleased to think that that pleasant harbinger of spring and insect destroyer the robin has fallen a prey to pussy's clutches, is pleased to estimate the number of deer and bobtailed field mice that she has devoured, gives not a thought to the possible hundreds of innocent farmer friend birds that she has gathered in, also, but evidently gives this valuable animal a kick if she found on the kitchen doorstep these cold mornings. Is it any wonder that this man has no kind words for the dog? Why, if he had a dog that would lead the horses to water, fetch the cows at milking time, that had saved a precious little one from drowning, had awakened the household when a fire had broken out in the back kitchen at night threatening a wiping out of the whole family, it is hardly to be expected that anything more than a permit to lie down in the old barn would be granted.—E. H. Burson.

"I don't see how you can have any fault to find with him."

"Why not?"

"Because he appears to be a man who is absolutely without faults of any sort."

"That's just it; that's his worst fault."

All About It.

"How long have you published 'Green's Fruit Grower'?"

"This is the twenty-fourth year."

"What is the price?"

"Fifty cents per year."

"How much is it worth to subscribers?"

"At least \$10.00 to each subscriber."

"Does each subscriber get a premium?"

"Yes, if he requests the premium when sending in his subscription."

"What are the premiums worth?"

"In some instances one premium has been worth \$10,000 or more."

"How is that?"

"We have sent by mail peach trees and other fruit trees to new sections of the great west, such as the Pecos Valley and other sections, before they were open to railroads, and the success of those trees has lead to the opening of vast fruit growing regions."

"Mention one of your useful premiums."

"Our rubber stamp outfit which prints your name and address in type plainly. It is a complete and ingenious device, nickel-plated with rubber pad. All you have to do is to press the button. This little device has been known to save subscribers much money since it prevents their letters from going astray and insures prompt and certain returns to correspondence."

"Who cares for your magazine?"

"The wife, children, every member of the family and surrounding neighbors who will borrow it."

"How many subscribers have you?"

"So many that we have to print 120,000 copies each month to go around."

The Horse.—Scratches, grease heel and all similar complications come directly from not taking proper care of the horse's feet and limbs. Farm horses most especially are allowed to stand too long after usage with the mud adhering to them. This, though, is no more prevalent than allowing horses to stand in unclean stables, where the manure is perhaps not thrown out more than once a week. The ammonia arising from the fermenting manure is not only injurious to the general health of the animals, but it is one of the most prolific causes of grease heel, cracked quarters, etc. The stable should be cleaned at least night and morning, and the horses should not be allowed to stand in their dirt after being used any longer than necessary for the mud to sweat and dry.

If wealth comes, beware of him, the smooth, false friend! There is treachery in his proffered hand; his tongue is eloquent to tempt; lust of many harms is lurking in his eye; he hath a hollow heart; use him cautiously.

Good News for Americans Dr. SPROULE, B. A. The Great Catarrh Specialist Explains HIS METHOD OF TREATMENT



DR. SPROULE, B. A.,
English Specialist in Catarrh and
Chronic Diseases.

Eighteen years ago a young, but highly honored Surgeon in the British Royal Navy astonished his friends by suddenly leaving the service and entering on private practice. That Surgeon was the now famous Catarrh Specialist, Dr. Sproule, B. A. His keen brain had early seen in the then new disease Catarrh, a menace to the life and happiness of the civilized world. While other physicians were neglecting it as unimportant, Dr. Sproule studied its nature and means of cure. He labored in office, hospital and laboratory. He mastered the subject.

As Dr. Sproule had foreseen, Catarrh spread with frightful rapidity. Twenty years ago Catarrh was almost unknown. Now no age, sex, or condition is exempt from it. No climate or locality is a cure for it. Catarrh is to be more dreaded than yellow fever or smallpox. It is, in the large majority of cases, the forerunner of Consumption. Vital statistics show that deaths from Consumption in this country have increased more than 200 per cent. in the last five years. Nearly all of these cases have been traced back to Catarrh at their starting point.

Dr. Sproule makes the treatment of Catarrh a specialty. He cures Catarrh. Dr. Sproule, the first to make Catarrh a specialty, has perfected the only scientific, constitutional and PERMANENT cure. Local washes, sprays, balms, snuffs, etc., only relieve for a time. They often do harm by driving the Catarrh germs deeper into the system. CONSUMPTION, BRIGHT'S DISEASE, PAINFUL STOMACH DISORDERS are liable to result.

Dr. Sproule's name is revered as that of a benefactor in thousands of homes. If you have any symptoms of Catarrh, the doctor earnestly invites you to write to him and tell him all about it. It will cost you nothing. He will give you the most valuable

Medical Advice Free.

He will diagnose your case without charge and tell you just what to do to get cured. Do not delay. In such cases every moment is precious. Do not neglect yourself. Above all do not give yourself wrong treatment. The results may be fatal.

CATARRH OF THE HEAD and THROAT.

The most prevalent form of Catarrh results from neglected colds.

1. Do you spit up slime?
2. Are your eyes watery?
3. Does your nose feel full?
4. Does your nose discharge?
5. Do you sneeze a good deal?
6. Do crusts form in the nose?
7. Do you have pain across the eyes?
8. Does your breath smell offensive?
9. Is your hearing beginning to fail?
10. Are you losing your sense of smell?
11. Do you have up phlegm in the morning?
12. Are there buzzing noises in your ears?
13. Do you have pains across the front of your forehead?
14. Do you feel dropping in back part of throat?

If you have some of the above symptoms your disease is Catarrh of the Head and Throat.

Answer the above questions, yes or no, write your name and address plainly on the dotted lines, cut out and send to Dr. Sproule, B. A., English Specialist (Graduate in Medicine and Surgery, Dublin University, formerly Surgeon British Royal Naval Mail Service), 11 to 15 Trade Building, Boston. Be sure and write to-day.

DISEASES OF BRONCHIAL TUBES.

When Catarrh of the Head and Throat is left unchecked it extends down the wind-pipe into the bronchial tubes, and in time attacks the lungs and develops into Catarrhal Consumption.

1. Do you take cold easily?
2. Is your breathing too quick?
3. Do you raise frothy material?
4. Is your voice hoarse and husky?
5. Have you a dry, hacking cough?
6. Do you feel worn out on rising?
7. Do you feel all stirred up inside?
8. Are you gradually losing strength?
9. Have you a disgust for fatty food?
10. Have you a sense of weight on chest?
11. Have you a scratchy feeling in throat?
12. Do you cough worse night and morning?
13. Do you get short of breath when walking?

If you have some of these symptoms you have Catarrh of the Bronchial Tubes.

NAME

ADDRESS



If You Want a FENCE

That is made from the best High Carbon Steel Wire. That is Heavily Galvanized to prevent rust or corrosion. That is COILED to provide for contraction and expansion, That is STRETCHED to prevent sagging, That is Woven Closely to turn chickens and small pigs, That staples to the posts as you would nail a board, That easily adjusts itself to all uneven surfaces, That is woven in such a manner that compels every wire to bear its portion of strain, That you can buy Direct from the firm that makes it, with Freight Prepaid to your door or railroad station, That you can examine it at your railroad station and return if it displeases you in any particular, That you can erect and use for Thirty Days, and if unsatisfactory return at our expense and get your money, Write for Free Catalog giving full information, Address, KITSELMAN BROS., Box 204 MUNCIE, INDIANA.

Please mention Green's Fruit Grower.

"Don't borrow or lend, pay old debts."



Have a knife of your own. Have a good one. Let us make you a present of a Keen Kutter, Hand Hammered outfit, like illustration which is only about one-third actual size. It possesses good stuff and will give satisfactory service. We will send you one post-paid on receipt of 50c. to pay for Green's Fruit Grower one year, if you claim this premium when subscribing.



Perhaps it's a Pruner you need.

Every fruit grower should own a good one. We are in position to supply every subscriber to Green's Fruit Grower with the useful article. Will send one to you post-paid on receipt of 50c. to pay for the paper one year and 25c. additional. Send 75c. for paper and pruning knife.

Address, GREEN'S FRUIT GROWER,
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To make cloth waterproof, in ten gallons of water dissolve two pounds and four ounces of alum. Dissolve the same quantity of sugar of lead in the same quantity of water, then mix the two together. Pour off the clear liquor, immerse the cloth in it for an hour, take it out, dry it in the shade, wash in clear water and dry again.

Big Clams.—A shipment of enormous clams, every one of which is big enough to feed a whole family, has been received by a South Water street firm. Some of the monster bivalves are eight inches in diameter and weigh seven pounds, their huge proportions being attributed to their extraordinary age, which is estimated to average 15 years. The giant mussels hail from the coast of Florida, where they were tonged up from the waters of the Gulf of Mexico.

Squirrel's Jump.—The squirrel just managed to reach the branch by the outermost twig, and, unable to get a firm hold with all four feet, hung by its front feet, or "hands," suspended over the road and swinging violently, for quite half a minute. Then, as the coach rumbled almost underneath, the squirrel made a desperate effort and swung itself into safety, leaping out of sight among the branches in a flash, as though thoroughly frightened.

Animals' Wanders.—The mouse only travels when it has to. The rat, on the contrary, seems to take a yearly outing, in very much the same fashion as do human beings. Rats are the most migratory creatures in the world. Whole troops of rats leave the towns at the end of summer and spend a month or two in the country, apparently in order to enjoy the change of food which the country affords at that time of the year in the way of fresh fruit and grain. Before the cold weather sets in they are all back in their old quarters.

Reindeer migrate with the same regularity as swallows. They move south when winter sets in, but as soon as ever the snow begins to melt they travel steadily north, sometimes for as much as a thousand miles. To end a holiday by deliberate suicide is so strange a phenomenon that for a long time naturalists looked upon the stories of the migration of the lemmings as an improbable fiction. Yet the facts are beyond dispute. At irregular intervals these ratlike creatures start out from their homes in the fastnesses of Northern Scandinavia in huge droves, numbering tens of thousands, and travel steadily southward. Death pursues them in a hundred forms. Hawks and other birds of prey hover above them. Foxes, wolves and man decimate them. Thousands are drowned in rivers. Yet the rest struggle on, until they reach the sea. They do not stop. They plunge in, swim out and struggle on, until at last their strength fails and they drown. No one ever returns from his journey of death.

Nero and Jesus.—Tacitus, the ancient historian, says in regard to the burning of Rome: Hence, to suppress the rumors, he (Nero) falsely charged with the guilt and punished with the most exquisite tortures the persons commonly called Christians, who were hated for their enormities. Christus, founder of the name, was put to death as a criminal by Pontius Pilate, procurator of Judea, in the reign of Tiberius. But the pernicious superstition, repressed for a time, broke out again, not only in Judea, where the mischief originated, but through the city of Rome also, whither all things horrible and disgraceful flew from all quarters, as to a common receptacle, and where they are encouraged. Accordingly, first those were seized who confessed that they were Christians. Next, on their information, a vast multitude were convicted, not so much on a charge of burning the city as of hating the human race and in their death they were made the subject of sport, for they were covered with hides of wild beasts and worried to death by dogs, or nailed to crosses, or set fire to, when the day declined, to serve for nocturnal lights. Nero offered his garden for the spectacle and exhibited the circensian games, indiscriminately mingling with the common people in the habit of a charioteer, or else standing in his chariot, whence a flood of compassion rose, toward the sufferers. Though guilty and deserving to be made examples of by capital punishment, yet they excited the pity of the people because they seemed not to be cut off for the public good, but to be victims of the ferocity of one man.

This classical passage from the historian Tacitus is the first allusion to Christianity by any Roman or non-Christian writer and reveals to us the estimation of Christ and His religion by a man remarkable for intellectual insight and humane sentiment.

Does your farm owe you anything? This is putting the question pointedly. Can you say to your fields thus: "See here now, I have ditched you, dug out festering stumps and indigestible rocks, fed you with rich fertilizers and scratched your back with the best plows, harrows and cultivators. You owe me for all this, and I expect good fat returns." When you can truthfully talk thus, you may conclude that your farm is in a condition to be a blessing to you.

On the other hand, when your farm can say to you thus: "Jeremiah Finkins, you have lived on me, and your father before you, year in and year out, for sixty years. You have neither fed nor clothed me, but left me shivering, bleak and bare; my feet soaking in quagmires, head full of burdocks, and other foul weeds, my stomach lank and hungry. Your cattle have fed upon me. To fatten city nabobs, and no return has been made to me. You have carted away my vitality in carloads of grain and vegetables. I owe you nothing. I have paid for myself over and over again. I am getting tired of working for such a monster. You may try to curry my favor next spring by brushing me with your dilapidated tools, but I will disappoint you when the harvest comes, for you are a hard taskmaster."

When your farm talks to you like this, you may as well get a divorce, post the raw-boned horses and rickety tools at auction, and seek fresh fields and pasture. For when a farm thus declares mutiny there are not enough laws or buck-shot in the country to establish old-time harmony.

Who is this hard-working man? This is the millionaire, the man who wanted to be rich and has got rich, and is getting richer every day. Is he the happier for it? Happy? Bless your soul, he's more miserable, fuller of cares and anxieties and harder worked than ever. He is the veriest slave of them all. He is pushed with, business and business is pushing him. He has so many irons in the fire that some of them are burning his fingers while others are getting cold. His present life is a rush from the meeting of this board to that board and thence to some other board. He is director in this company and trustee in that, and a silent partner in another, world without end and more coming. He hasn't time to eat and hardly time to sleep, and when he does lay his poor head on the pillow he can't stop business plans and schemes, hopes and fears from whirling and whirling through it. He can't take a day to spend in quiet out of town and if he could he would take all his business with him into the woods. He is a slave and a victim. His millions in bank don't bring him so much enjoyment as does a new ten cent piece given to a boy ten years old. He's infected with the mania for getting and the more he gets the more he wants. If you could see him just as he is and where he is inevitably going, and how he is going there, you would only pity him. He is one of the coming victims of dementia paralytic, the prevalent ailment among so many Wall street men.—"Graphic."

President Wilder once said: "So long as we raise fruit to eat we can have no hesitation in giving the first place to eating qualities. Next in importance is durability, or keeping; that is, the property, whether early or late, of remaining sound after being gathered. The third requisite is size; but while we desire those of liberal size we should not forget that one of monstrous proportions is neither desirable for the market or table use. But whether large or small, a variety should be uniform in size. Beauty, color, and form will always be regarded as of great value. Brilliant colors will charm the eye, although they may not gratify the taste, but a misshapen, ugly form will never be tolerated by any one of cultivated taste. I have dwelt upon this branch of our subject—and I would, if possible, enforce my views upon it still more strongly—not only because I desire the quality of our fruit raised, but to save the American Pomological society from the reproach of recommending fruits, otherwise unworthy, because "there is money in them."

"In these days of automobiles and flying machines," said the president of the life insurance company, "it is well for us to add another restriction to our policy."

"What would you suggest?"

"We must bar out everyone who is proven to be a habitual pedestrian."—Philadelphia "Press."

A Scot being shown Niagara, was asked if he had ever seen aught so beautiful and strange. He replied: "Weel, for bonny, I'll no say, but, eh mon, for queer, I ance saw a peacock wi' a wooden leg at Peebles."

How to Wash Clothes in Six Minutes

HERE'S a Washing Machine that almost works itself.

The tub spins half way around, like a top.

There's a pivot in center of Tub bottom. And there is a groove, around the pivot.

In this groove, or track, there are ball bearings, like in a Bicycle wheel.

These Bicycle Bearings are little steel balls the size of small marbles. They roll in the track when the tub spins around on top of them.

All the weight of the Tub, and of the Clothes rests on these rolling balls.

That's why the Tub spins as easily when full of Clothes and water, as when it is empty.

So that a whole tub full of Clothes can be washed almost as easily and as quickly, with this machine, as a single garment could be washed.

"How does it wash Clothes, you ask?

See the two Springs under the Tub?

When you swing the Tub to the right (with handle at top) you stretch both these Springs, till the Tub goes half way around.

Then the stretched Springs pull the Tub back from right with a bounce, and carry it almost half way around on the left side. Then the springs bounce it back to the right side again.

A little help is needed from you each time. But the Springs, and the Ball Bearings, do nearly all of the hard work.

Now, if you look inside the Tub, you'll see

slat paddles fastened to its bottom.

Fill the Tub half full of hot soapy water. Then spin it to the right. The slat paddles make the water turn around with the Tub till the Springs stop the Tub from turning further to the right and bounce it back suddenly to the left.

But the water keeps on running to the right, though the Tub, and the clothes in it, are now turning to the left.

Thus, the swift driving of this soapy water through the clothes, at each half turn, washes the dirt out of the threads without any rubbing.

Mind you, without rubbing—which means without wearing, the clothes.

It's the rubbing on washboards, and on other

Washing Machines, that wears out clothes quicker than half as hard labor.

That costs money for clothes, doesn't it?

And the everlasting rubbing is the hardest

work in Washing, isn't it? Rubbing dirty clothes on a metal washboard with one's knuckles, over a tub of steaming hot water, is harder work, and more dangerous to health, than digging Coal deep down in a mine.

Well, the "1900 Washer" cuts out all the slavery of Washing, and half the expense.

It will wash a whole tub full of dirty clothes in Six Minutes. It will wash them cleaner in Six Minutes than they could be washed by hand in Twenty minutes. And it won't wear the clothes or break a button, nor fray even a thread of laundry.

Because Running Water can't wear the clothes, nor break buttons, nor tear buttonholes.

And, it is the hot, soapy water swiftly running through the clothes that takes all the dirt out of them in Six little minutes.

A child can wash a tub full of dirty clothes in half the time you could do it yourself—with half the work.

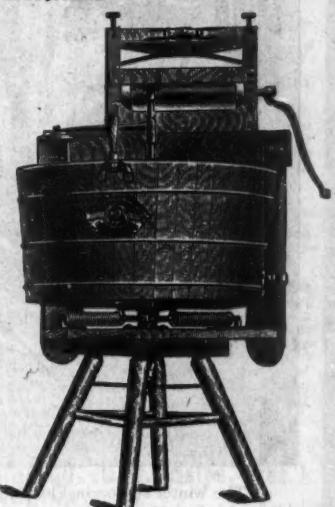
Think what that half-time is worth to you every week for Ten years!

It is worth 50 cents a week to you. That is \$26.00 a year, or \$260.00 saved in 10 years.

And, a "1900 Washer" lasts 10 years.

Well,—pay us the 50 cents a week our "1900 Washer" will save you, for a few months only.

Then you will own a "1900 Washer" that will last 10 years, without any cost to you. But don't pay us a cent till you have tested the "1900 Washer" for a full month, at our expense. We will ship it to you free, on a month's trial, and leave the test to you. And we will pay the freight both ways, out of our own pockets. That shows how sure we are that the "1900 Washer" will do all we promise.



If you don't find it does better washing, in half the time, than you can wash by hand, send it back to us. If you don't find it saves more than half the wear on clothes, send it back to us.

If you don't find it washes clothes as easily as you could rock a cradle, or run a sewing machine, send it back to us. If it won't wash dirty clothes in six minutes, send it back to us.

Remember, we will pay the freight both ways out of our own pockets. You don't even say you'll buy it, till you have used it a full month, and know all about it. Isn't that a pretty straightforward offer, between strangers?

How could we profit by that offer unless our "1900 Washer" would do all we say it will?

Don't slave over the wash-tub any more.

Don't pay washerwoman for eight hours a week when she can do the work far better, with less wear on the clothes, in four hours, with a "1900 Washer".

The 4 hours a week less labor thus saves you 60 cents a week for Washerwoman's Wages.

Pay us 50 cents a week out of that 60 cents our Washer saves you, if you decide to keep it, after a month's trial. Then you own the Washer.

Write us today, if you want a month's free use of the quickest "Washer" in the world.

Address R. F. Bieber, Treasurer "1900 Washer Co.", Box 457, Binghamton, N. Y.

Money In your Garden

Do you know how best to get most of it out? Subscribe for a paper that details every month all the newest methods practiced. It is

THE FRUIT-GROWER

A paper devoted to fruit culture, with a garden department. We will publish in March, 1905, a special "Gardening" number full of "meat" for gardeners and farmers. Subscribe now and get information worth hundreds of dollars in profit. This is one of four "1905 Specials" on "Spraying," "Apples" and "Small Fruits." Subscription, \$6.00 yearly. Send 25c and names of 10 persons interested in fruit-growing, for a year's trial. Write us how to get our ten "Bro. Jonathan Fruit Books" free. Eastern edition for States east of Ohio. The Fruit-Grower Co., 1001 S. 7th, St. Joseph, Mo.

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is supremely the investment fence, the fence that protects, looks well, lasts long, because it is made of heavier steel wire per running rod than any other fence on the market. You get your money's worth when you get American Fence. Don't buy fence until you have seen American at our agent's place in your town. You will be impressed with its weight and simplicity, and will find the price right.

Send for our Free Fence Book and get posted on the subject.

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No. 6 Iron Age Combined Double and Single Wheel Hoe, Hill and Tiller Seeder.

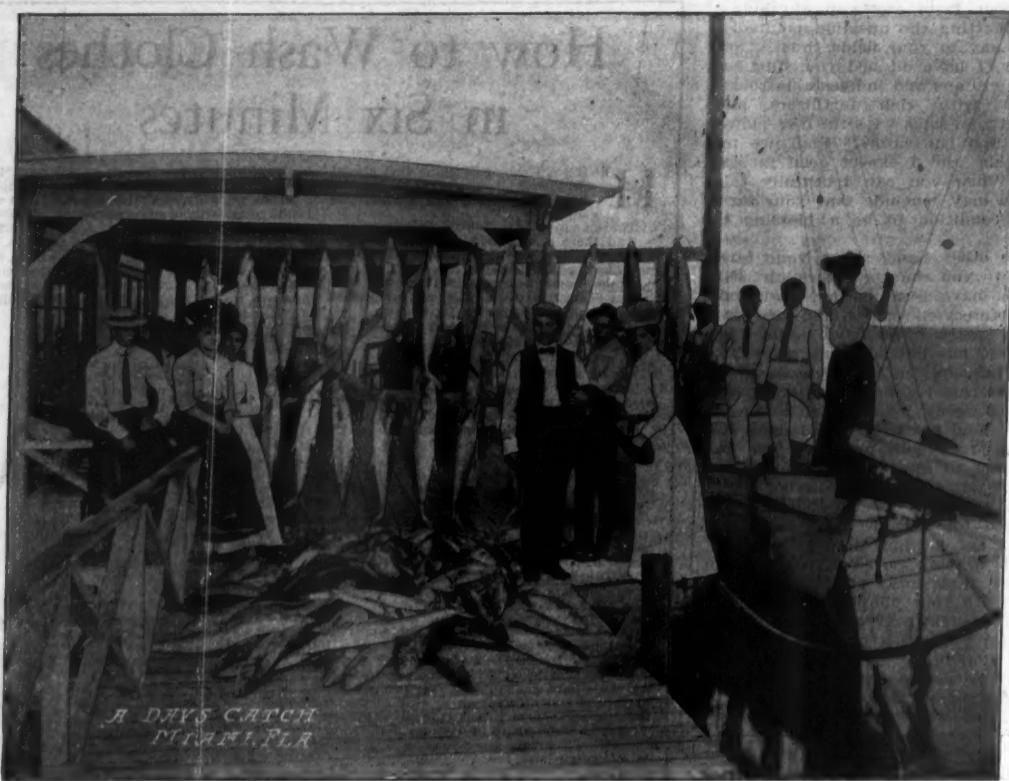
Your Spring Help

What kind of help will you have this spring. Will you do your work the old way with many men and much expense, or employ the time-saving, labor-lessening and money-making

IRON AGE Implements

These famous tools double each man's capacity—saving time and money. Our new No. 25 Fertilizer Distributor attachment may be applied to our famous No. 6 combined tool, or to our No. 1 Double Wheel Hoe Implement and the Seed Drill attachment. This labor saving implement is fully described in "Iron Age" (Improved Robbins) Potato Planter as in the case with the Seed Drill attachment. This labor saving implement is fully described in "Iron Age" (Improved Robbins) Potato Planter as in the case with the Seed Drill attachment. This labor saving implement is fully described in "Iron Age" (Improved Robbins) Potato Planter as in the case with the Seed Drill attachment.

BATEMAN MFG. CO., Box 160, Greenwich, N. J.



The winter season in Florida is the hunting and fishing season. Northern people who visit the South to escape the blizzards of winter must have some occupation. Many of them divert themselves with the rod or gun. The party in the above photo-engraving have selected the fishing rod in place of the gun. The man with coat on his arm is Gov. Gates of Illinois. On leaving Rochester, N. Y., in mid-winter, traveling South, it is surprising how soon you strike warmer weather, it occurs far this side of Baltimore. It grows warmer as you approach Washington, still warmer at Richmond, Va., and when you get to Jackson, Fla., you feel like taking off your coat and going in your shirt sleeves like the men in the above photograph. Florida is a revelation to many northern people as a place for winter recreation. Miami, Fla., is along the line of the East Coast Railroad.

\$19.90 BIG PARLOR ORGAN.

ORGAN LESSONS FREE.

FOR \$19.90 we furnish this
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some solid wooden Parlor
Organ, stands 6 feet high, 4
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Comprises 15 Earliest Radishes, 12 Prize
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ROOKFORD, ILLINOIS

Try the New Majestic Tomato

The greatest vegetable novelty of the season. By odds the largest, finest flavored and most productive in existence. Those who received small quantities last spring note in the fall that it surpassed all other sorts and produced 100 lbs. to 147 lbs. of fruit to the plant. Many reported single tomato plants weighing 3 lbs. to 5X lbs. each. The fruits are not coarse grained and poor like other large sorts, but are smooth, solid, have few seeds, and are unsurpassed in quality. Of fine shape and beautiful color.

For the year the seed sold at 40c per pack of 100 seeds, but is now reduced price to 10c, and in addition to this we are offering

\$100.00 in Cash

prizes this year for the largest tomato grown. Our large illustrated catalogues describing the above and many other choice novelties will be sent to all who will mention this paper.

IOWA SEED CO., Des Moines, Iowa.

Buying Harness.

With harness, as with many other things, the best is the cheapest. I do not mean to say that fancy harness which costs high price is the cheapest for the farmer, but what I mean is that well-made, sewed, and riveted harness, of good, soft, well-tanned leather, is cheaper at twice the price than that which is poorly made from inferior leather. There is also another class of harness that the farmer should avoid buying; that which is made merely to sell, and which the maker will let you have at almost any price rather than not have you purchase at all. The only good place to get reliable harness, is to buy direct from the manufacturer who uses the best of oak-tanned leather, and employs none but experienced workmen. When purchasing your harness the team upon which it is to be used should be at the shop; especially is this necessary in order to get a perfectly fitting collar. All farmers are not able to fit collars upon their horses, therefore it is of the first importance that the seller should be a competent judge, capable of fitting a collar upon any horse with the greatest possible comfort. A large number of horses annually are permanently injured by the want of a proper fitting collar. Naturally a horse's shoulders are the same in strength, shape and toughness, therefore a collar should be of the same shape and firmness on both sides. But many of them are not, and this is the chief cause of sore shoulders so prevalent among work horses. It often happens that one side of a collar is stuffed firmer than the other; and it is sometimes the case that the leather on one side is thicker or harder than on the other. Such collars should never be brought out of the shop.

Fill Your Ice House.—If this severe weather is good for nothing else, it will enable you to fill your ice house with solid, crystal, clear ice. It will be worth its weight in gold for the butter and milk next summer. We have only to say, now fill it. Pile and pack it as full as it will hold. Then you will have plenty, whether to make ice cream for Nellie's strawberry party, or to keep your prints of butter hard and golden. Ice no more than four inches thick will do very well for packing, if you can get no heavier, though it does not keep so well. The thinner the ice, the more sawdust or shavings you will need to pack it.

"Now there is talk of another strike in sympathy with the sympathetic strikers."

"Well, it's considered hard luck that they have no grievances of their own." —"Puck."

If a man has brass he can get along with a very moderate supply of tin.

Oiling Wagon Wheels.

A well-made wheel will endure constant wear from ten to twenty-five years, if care is taken to use the right kind and proper amount of grease; but if this matter is not attended to, it will be used up in five or six years. Lard should never be used on a wagon, for it will penetrate the hub, and work its way out around the tenons of the spokes, and spoiling the wheel. Tallow is the best lubricator for wooden axletrees, and castor oil for iron hubs, but many of the present axle greases are also excellent, and have the merit of being cheaper and more convenient to handle. Just grease enough should be applied to the spindle of a wagon to give it a slight coating. This is better than more, for the surplus put on will work out at the ends and be forced by the shoulder bands and nut-washer into the hub around the outsides of the boxes. To oil an iron axletree, first wipe the spindle clean with a piece of cloth wet with spirits of turpentine, and then apply a few drops of castor oil near the shoulder and end. One teaspoonful is sufficient for the whole.

Manures.—There is hardly a manufacturing establishment that does not have waste products of value, either as fertilizers or as divisors, and at least worth the cost of teaming. But the first and main resource of the farmer is the stable and barn, which afford complete and reliable manures. But at the farmers' meetings, if one states an experiment, another will come forward with a different story to refute it, and such is the diversity of results, from diverse circumstances of climate and soils, that it is probable that we know little of value of stable manure. In modern city stables all the liquid excrement goes into the sewers, and when the manure is taken to the farm, it has only half the value that it would possess if the whole of the excrements were saved. After an expenditure of \$4,000,000 on sewers, the city of Boston began forcing into the sea as much more in value. If our country were not almost inexhaustible in its resources it could not stand such waste. Barns and stables should be so arranged as to save the liquid excrement.

I ordered of Green's Nursery Co., Rochester, N. Y., a Hubbardston apple tree six years ago. Recently it was so heavily laden with beautiful red apples that it was blown down by the wind. It contained 13 1-2 bushels of fine fruit and yet the tree was not more than hair grown. I am sorry to lose such a handsome and valuable tree.—E. C. Francis, Madison, Conn.

Hewitt—Talk is cheap.

Jewett—Did you ever have your wife talk you into buying her an Easter bonnet?—New York Times.

SALZER'S SEEDS

Beardless Barley
The barley of the realms; always ready to harvest; always big yielding. Mr. Wells, of Orleans Co., N. Y., threshed 121 bu. per acre. You can beat this in 1905 if you try.

National Oats
The marvel and wonder of the world. Plant your own farm from 150 to 500 bu. in 1905. Try it.

Billion Dollar Grass and **Teosinte**
The two greatest forage plants of the century. **Billion Dollar Grass** will produce 15 tons of magnificence, 1000 lbs. of grain, 100 tons of green fodder per acre. Catalog tells about it.

Look At These Yields
Spelets, 80 bu. grain per acre, and 4 tons of hay produced. **Macarosi Wheat**, Rust Proof, 80 bu. Victoria Rape, 40 tons of green food per acre. **Per Ost**, 85 tons. **Pratique Sweet Corn**, 60 tons green food. **Potatoes**, 800 bu. per acre. Now such prodigal yields pay. You always get them when planting Salzer's Seeds.

Onion Seed 600 a pound, and other vegetable seeds just as low. We send you a lot of Farm Seed Samples, fully worth \$1.00 to \$1.50, and with our great new catalog, all for but 10c postage, if you mention this paper.

John A. Salzer Seed Co., LACROSSE, WIS.

Please mention Green's Fruit Grower.

FIELD'S REID'S YELLOW DENT

The big brother of the original or Illinois Yellow Dent. It is a larger seed, and to fit the Iowa idea of longer ears, rougher grains, plenty of vigor, and a big yield. Same perfect form, handsome color, deep grains and straight rows, but a bigger, better type every year. I sell it at 10c per pound. Catalog, photographs, and samples free and I throw in a package of watermelon seed and one of flower seeds besides. Send for them today.

HENRY FIELD
Seedsman
Box 52
Shenandoah, Ia.

"The ear now corn won."

At ST. LOUIS a GRAND PRIZE was awarded on Vegetables the products of

Burpee's Seeds

If you garden you want THE BEST

and we shall be pleased to mail you

Burpee's Farm Annual for 1905

An elegant new book of 178 pages, which tells the plain truth, with hundreds of illustrations, beautiful colored plates and describes Superb Novelties of unusual merit. Write to-day! A postal card will do, while it is sufficient to address simply

Burpee, Philadelphia

W. ATLEE BURPEE & CO.
The World's Largest Mail-Order Seed Trade

20 SEEDS FREE
20 BULBS FREE

SEND US 25c. to cover cost of packing and postage, and receive this grand collection of beautiful flowers, our new catalogue, containing the most liberal offers ever made, and a CASH CHECK for 25c., giving you your money back.

20 Packets Seed
1 pkt. Double Balans
1 pkt. Poppy Jap. Pompos
1 pkt. Carnation (Choice)
1 pkt. Gladiolus (Best Mixed)
1 pkt. Chrysanthemum
1 pkt. Wallflower
1 pkt. Sweet Peas
1 pkt. Zinnia Crested
1 pkt. Heliotrope (Hardy)
1 pkt. Petunia, Fringed
2 pks. Pansies (Named)

20 Bulbs
1 Red Calla, 1 Amaryllis, 1 Tulip, 1 Hardy Lily, 1 Hardy Climber, 3 Geranium Flowered Bulbs, 10 Mixed Summer Flowering Bulbs.

Order now and after receiving this collection you are not satisfied, we will cheerfully return your money.

J. ROSCOE FULLER & CO., Floral Park, N. Y.

Darken Your Gray Hair

DUBY'S OZARK HERBS restore gray, streaked or faded hair to its natural color, quickly and easily. Prevents hair from falling out, promotes its growth, cures and prevents dandruff, and gives the hair a soft, glossy and healthy appearance. **IT WILL NOT STAIN THE SCALP**, is not sticky or dirty, contains no arsenic, lead, chlorine, copper, or poisons of any kind, but is composed of the purest and most valuable flowers. **PACKAGE MAKES ONE PINT.** It will produce the most luxuriant tresses from dry, coarse and wiry hair, and bring back the color it originally was before it turned gray. Full size package sent by mail, postpaid, for 25 cents. **OZARK HERB CO.**, Block 31, St. Louis, Mo.

YOUTH'S DEPARTMENT.

A Petted Puppy.

I sat beside my niece so fair,
A lady grave and sweet,
Withal so wise that well I might
Have sat me at her feet.
She stooped to pat the puppy-dog
That gambol'd at her knee;
And when she spoke 'twas in a tongue
Entirely strange to me:

"A wizzy wizzy woggums, then!
A ditty dotty doggums, then!
And diddy wanty jumpy up?
A pitty witty pessums pup!"

I rose as if to stroll away,
But first a moment stood;
I thought perhaps she'd bid me stay,
And rather hoped she would.
But no! she never raised her head.
I turned the corner near,
And as I went her silver tones
Still floated to my ear:

"A toodle toodle toodle, then!
A wiskys waskys woddle, then!
A toopid manny gone, my joy!
My diddy doddy dorglums boy!"

—Laura E. Richards in "St. Nicholas."

HOW CAN A GIRL EARN MONEY

A little girl subscriber of Green's Fruit Grower twelve years old, and her brother, are living with their adopted father and mother. Her adopted parents have to work hard for the money they get and she asks for advice as to how she can earn a little money. It is possible for her to earn money in many ways which I cannot suggest. Possibly she has skill enough to dress dolls for some of the wealthy families in her neighborhood. She might plant a little piece of ground to strawberries but the plants would not bear much fruit the first year. If there were any chickens upon the place she might make a little money out of the eggs and the chickens sold in the market. She might learn to make a few kinds of candy and sell it to some of the families in the village near which she lives; almost everyone enjoys homemade candy. She might learn to crochet or make in other ways, pretty and useful articles, such as mats for the dining table, etc., which no doubt she could easily sell. A child so young cannot be expected to be skillful enough to earn much money. A little boy living near my place makes money by selling papers but a girl living in the country could not do this. My mother adopted a little girl six to eight years old when I was a young man. This girl had no father or mother living but she was very cheerful and did much to brighten my mother's home. She lived with my mother even after she was married and did much to make her life pleasant by nursing her in her old age and on her death-bed. I wish all adopted girls could be as faithful and helpful as was this little girl, adopted by my mother, for whom I have the highest respect. She now has a son of her own who is a young man engaged in a profitable enterprise. I have sympathy for all little people situated as this girl is. They have my best wishes. I trust this girl will try to make herself as helpful as possible to the people with whom she is living. This indeed will do more for her welfare than could possibly come from the making of a little money in some outside enterprise.—Editor Green's Fruit Grower.

THE MERCHANT'S SYSTEM OF SAVING.

A young man, whose early youth had been spent in idleness and dissipation, once asked a Prosperous Merchant whom he chanced to meet:

"Will you tell me the secret of your success?"

"It is not a secret," said the Prosperous Merchant; "it is an open matter. I tell it to everyone, and every man with common sense can do as I did."

"And what did you do?" asked the Youth.

"I saved my money."

"Saved your money!" exclaimed the Youth, in great surprise. "Why, I've been trying to save money for years, and I haven't been able to get sufficient together to make a deposit deposits."

"What do you mean by a decent deposit?" queried the Prosperous Merchant.

"Oh," the Youth answered, "something like forty, or fifty, or one hundred dollars."

"Great Scott!" said the Prosperous Merchant, with much astonishment and sudden wonderment. "It was a long time before I had that amount."

"Do you mean to tell me that you saved until you got it?"

"Yes. I had a home-made bank of my own, and I saved in that until I had enough to open a savings-bank account."

"How much was your first deposit?"

"One cent!"

The statement almost staggered the Youth. The Prosperous Merchant, smiling, said, "Listen, and I will tell you all about it."

Clearing his throat, he said:

"I began by resolving to double the amount I had saved. The first day I put away, in an old stocking, one cent. I doubled it and put away two cents the second day, four cents the third day, eight cents the fourth, sixteen cents the fifth day, thirty-two cents the sixth day, and sixty-four cents the seventh day. Then I was not able to make a deposit for a week, when I put away one dollar and twenty-eight cents. It took me two weeks more to save two dollars and fifty-six cents. I found that I would have to get a better job to go on doubling in that way, so I hustled around and was graduated from driving wagon and given a position to sell goods in a grocery store. In three weeks, I was able to put away five dollars and twelve cents. Then I opened a bank account. At the end of another month, I had ten dollars and twenty-four cents to deposit, and in two months more I had twenty dollars and forty-eight cents. My employer raised my salary; but, even with that help, it took me six months to save another 'double,' amounting to forty dollars and ninety-six cents.

"After that, it would have been easier to deposit small amounts, but I stuck to my original purpose, and in another year I had eighty-one dollars and ninety-two cents to take to the bank. To double that sum took a lot of saving and sacrificing; but, when you start out to do a thing, don't give up! I worked harder and harder, and, in another year, I had my 'double,' one hundred and sixty-three dollars and eight-four cents. At that time I had three hundred and twenty-seven dollars and sixty-eight cents in the bank, and my next deposit would have to be just that sum, in order to let me keep on with my system. I had let my employer see that I was interested in his business, and he gave me a better position and a higher salary. It is a good idea to let your employer think that you consider his business as if it were your own. Well, to make a long story short, in eighteen months more I had three hundred and twenty-seven dollars and sixty-eight cents; two years later, I had saved six hundred and fifty-five dollars and thirty-six cents; and, in two years more, I made a deposit amounting to one thousand, three hundred and ten dollars and seventy-two cents. This gave me two thousand, six hundred and twenty-one dollars and forty-four cents in cash, with interest, and all saved inside of six years. Then I bought an interest in the store. That was my start in life. I had made up my mind to get enough to establish myself, and I accomplished my purpose as I have told you."

Moral—if you set yourself a proper task, even if it be a difficult one, you will find it half done as soon as it is well begun.—Success.

A CHILD'S BANK ACCOUNT.

My grandmother died when the editor of Green's Fruit Grower was a small boy. In her will she left \$3 to each of her grandchildren. The \$3 bequeathed to me was used in opening a bank account. This was the beginning of my savings and the beginning of my financial career. Gradually I added to this deposit in the bank until the amount increased to \$400. One method of increasing this sum was in buying of a farmer a mother pig and her litter of little ones. These pigs I fed and fattened, selling them as winter approached. Another way of making money was in shooting muskrats, mink, coon and selling their sides. One day in September, as I grew older, I gathered together a herd of fifty cattle bought of neighboring farmers. These I sold to one man at one time, making a clear profit of \$200, which seemed a large addition to my bank account. About this time my father leased me the home-stead farm. This was during the war of the Rebellion when prices of farm produce were high, therefore I made each year a net profit of over \$1,000.

I mention this to teach parents the importance of starting a bank account for their children early in their lives. I have three children, now men and women, and each one was encouraged to start a bank account as soon as the child was old enough to enter into the spirit of the transaction. Each child kept increasing the bank account from his little earnings or savings. When the children reached the age of 20 their little bank account had grown to \$300 to \$500.

The fact that they have a bank account and that they see it increasing from interest added and from their savings and their little sacrifices, gives them the true business spirit and is an object lesson to them through life.

If we suit you, tell others. If not, tell us.

TOP BUGGY at BOTTOM PRICE

\$50 BUYS THE SPLIT HICKORY SPECIAL

On 30 Days Free Use Plan
The Fastest Selling Top Buggy on the Market.

Why? Because it is made by the old reliable Ohio Carriage Manufacturing Co. from thoroughly seasoned second growth split hickory. Because every Split Hickory vehicle is guaranteed by this company for two full years from date of purchase—the longest guarantee period of any reliable manufacturer. Because the 30 Days Free Use affords ample time for the purchaser to thoroughly satisfy himself that the buggy is first class in every particular, and a better vehicle than dealers sell for nearly double its price.

RIGID FACTORY INSPECTION

Every Split Hickory Special Top Buggy is given the most rigid factory inspection before shipment, so that the company is perfectly safe in staking its reputation for high-grade goods on that particular buggy.

MADE TO YOUR ORDER. We not only make Split Hickory Specials so that each one comes up to our ideas of all that a buggy should be, but we let you decide just how you want it finished—whether you prefer a wooden spring bar or a Bailey body loop; whether you want a three or four-bow top; high or low wheels; arched or dropped axles; wide or narrow body; in fact, your wishes are gratified just as far as is reasonably possible.

Split Hickory Specials are designed on graceful lines, finished like pianos, and stand the strain of hard usage because they're built "on honor." Material and workmanship A1 throughout. Never was more buggy value crowded into a \$50 price. In proof of our sincerity, there's our two-year guarantee, with good money back of it.

The 1905 Split Hickory Catalogue of our full line of buggies and harness, 192 pages, is now ready. Save jobber's and dealer's profits by buying from factory.

THE OHIO CARRIAGE MANUFACTURING CO. (H. C. Phelps, Pres.)
STATION 26, CINCINNATI, O.

Please mention Green's Fruit Grower.

He Knows Good Trees.

Washington, April 8, 1904.

J. G. Harrison & Sons,
Dear Sirs—The 1,000 Elberta Jane budded peach trees received yesterday. A better lot of trees I never saw. We were formerly in the nursery business and knew good trees. We shall certainly be ordering from you next year.
Yours truly,
F. WALDEN.

Harrison Trees Always Please.

A trial order invariably brings us a permanent customer. Our trees do their own talking—we have no agents. APPLES. No smoother, more vigorous, better rooted trees grown. All seasons, all varieties. York Imperial, Ben Davis, Early Harvest, Roma Beauty, Stark, Winesap, all the good varieties.

PEACH TREES. We grow the finest stock in the world in our climate. You can't miss it if you order the green new Ray or the Elberta. Select trees of all varieties from earliest to latest ripening. Write for 1905 catalog of Apples, Peaches, Pears, Plums, Grapes and Strawberries. Mailed free.

HARRISON'S NURSERIES, Box 11, Berlin, Md.

A New Ready Reference Book

GREEN offers as a premium or gift to his subscribers. It is called Facts and Forms, a hand-book of ready reference. It gives facts in letter writing, bookkeeping, business forms, interest, grain and wage tables, lightning calculators, common and commercial law.

This book is a library of itself for the business man. There are 256 pages illustrated. C. A. Green says this is a valuable book, one that will be useful to all readers of Green's Fruit Grower.

GREEN'S OFFER

We offer to mail this book postpaid as a premium to every subscriber who sends 50 cents for Green's Fruit Grower one year and asks for this gift when sending the money. Address
GREEN'S FRUIT GROWER, Rochester, N. Y.

Here's a simple method to reduce fat permanently. Harmless as water; any child can take it. why not reduce your weight & be comfortable!

Mrs. S. Mann, of LaMotte, Md., writes: "Five years ago I took the Hall Treatment and was reduced 38 POUNDS in weight and have not gained an ounce since." Miss Grace Smith, of Linden, N. Y., writes:

"Five years ago I took the Hall Treatment and was reduced 38 POUNDS in weight. The reduction is permanent, as I have not gained an ounce in weight since then." We will give \$100 IN GOLD to anyone who can prove that any of our testimonials are not genuine. DON'T do nothing or take any treatment until you hear from us! We can tell you how to MAKE A SIMPLE REMEDY AT HOME to reduce your weight at trifling costs. To anyone who will write to us at once, we will send full particulars and a box of the

Treatment Free in plain sealed package. Correspondence strictly confidential. It costs you nothing. Dept. 164. St. Louis, Mo.

GREEN'S GIFTS

LEARN TO BE A MUSICIAN

MANDOLIN, BANJO and GUITAR

Why Not Learn To Play These Instruments?

Green's Fruit Grower offers to supply you with any one of these instruments at wholesale price. The above illustrations give a good idea of the three instruments, mandolin, banjo and guitar, which we offer. Each one is well and thoroughly made and it is guaranteed to be as represented, both as to tone and workmanship, by the manufacturers, with whom we have made arrangements to offer them as premiums on the following liberal terms:

OUR OFFER—We will mail you postpaid, Green's Fruit Grower for 2 years from this date, and will ship you by express your choice of the above instruments together with four weeks home instructions, illustrated, you to pay express charge, all, both instrument and subscription, for only \$2.50.

If you have already subscribed for Green's Fruit Grower and wish to take advantage of this offer, we will extend your subscription 2 years further than that paid for. Be prompt, as this offer may be withdrawn.

Remember that you send us only \$2.50 for a mandolin, or a banjo or a guitar, your choice, and for 2 years subscription. Address—

Green's Fruit Grower, Rochester, N. Y.

GREEN'S FRUIT GROWER.

A MONTHLY JOURNAL.

CHARLES A. GREEN, Editor and Publisher.
Prof. H. E. VAN DEMAN, Associate Editor.

J. CLINTON PEET, Business Manager.

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ROCHESTER, N. Y., FEBRUARY, 1905.

EDITORIAL

X This cross appearing here is intended to call your attention to the fact that this is the time when nearly all of the subscriptions to Green's Fruit Grower expire, and that we desire you to renew your subscription at once. Please find in this issue an order blank, which please fill out and send to us with registered letter, postal money order, postage stamp or coin. We have subscribers which have been entered for three, four or five years in advance and there are a few others which do not expire with this issue. None of these friends need be alarmed on reading this notice, since they are correctly entered on our books.

Testing Soil.—The subscribers of Green's Fruit Grower often ask if the experiment stations will test soil free of charge. Knowing that it requires considerable time to analyze the soil I have hesitated about replying in the affirmative, but I am told now that the New York Experiment Station will test the soil free of charge if sample is sent the station. Those who live in other states should send to their own state experiment station.

All Crazy.—A noted physician claims that in seven hundred years all civilized men will be insane. His idea is that man is not living a natural life, that he is working his body and brain excessively, that he is stimulating himself with drink, tobacco and drugs, and with the mad rush of age, will develop universal insanity. Whether this man is correct in his opinion or not it is well for us to pause and consider whether we are living natural lives. If we are getting but little enjoyment out of life, if our bodily or mental vigor is impaired we have a right to suspect that we are not living natural lives.

The Farmer's Boy and Success.—Many of the largest institutions of the large cities of this country were organized by country boys. Many of the leading men of our largest cities were brought up on farms. It is conceded that the young man brought up as a farmer boy has better opportunity for success in the world at large than boys brought up in the city. The reasons for this are plain. The farmer's boy is apt to have a rugged constitution. He has been compelled to practice economy in his expenditures. He has not been idle but has learned to do many useful things, and has learned to apply himself with diligence. He has learned the value of money as few city boys have learned. If I had a dozen boys I would prefer that all of them should be brought up on a farm and kept there until they could form some idea of what their natural inclination might be.

Work Saved by Machinery.—There are a few who appreciate what machinery has done to reduce the expense of producing farm crops and yet machinery has not done so much for farmers as it has for manufacturers. To produce 100 bushels of barley it used to require 212 hours of labor whereas now it requires only 9 hours. To produce 160 bushels of oats it formerly took 295 hours but by machinery it can be done in 28 1/2 hours. In manufacturing in old times it required 200 hours to load 100 tons of iron whereas now by machinery it requires only 3 hours. Where formerly it required 4 weeks to transfer 200 tons of coal the work is now done in 20 hours. Seventy years ago 200 hours

were required to make 50 pitchforks which are now made by machinery in 18 hours. It used to require 243 hours to dress 160 square feet of granite, but machinery does the same work now in 19 hours.

The Czar of Russia suggested to the Peace Congress of the Hague that war should be discontinued, and yet he is engaged in the bloodiest war in all history. It is made to appear that the Czar is in fact a very kind and tender hearted man, but that he is surrounded by some hard hearted, cold blooded and austere noblemen who compel the Czar to go to war when he does not desire to do so. This reminds me of one of Dickens' famous stories in which a lawyer pretends to be exceedingly benevolent and willing to do kind and generous acts, but during his entire lifetime he apologized for his inability to do these acts of kindness owing to the severity and dictatorial character of his partner, who was in fact a most obstinate and cantankerous character. But it was subsequently discovered that this pretending kind hearted lawyer had no partner, and that he was himself mean and stingy. He simply used his supposed partner as a cloak to cover up his meanness.

Too Big a Bite.—The old saying "Do not bite off more than you can chew" is homely but expressive. There are fruit growers who take too big a bite. They are inclined to put all their eggs in one nest. My experience in growing fruits leads me to plant various kinds of both large and small fruits rather than to devote myself exclusively to the apple, peach, pear, plum, quince or grape. And yet there are localities where grapes thrive to such a remarkable degree as to lead one with wisdom to plant entirely grapes. But in most instances I advise the planting of a general assortment. Possibly one year the grapes or some other one specialty may, for one reason or another, yield a full crop. If all of your plantation was devoted to one variety you might that year receive scarcely any revenue.

Rice as Food.—The American people do not make enough use of rice as food. The Chinese, Japanese and other oriental nations live almost entirely on rice. It is healthful, palatable and remarkably nourishing. Every family would be in much better health if the housewife instead of preparing so many pies would more frequently offer tempting rice pudding. A cold pie is not usually desired but the cold rice pudding is as desirable often as when first made. Rice puddings are inexpensive and easily prepared.

One Day's Work.—Much can be accomplished in one day. The man who has lived 60 years has lived 21,915 days. Surely such a man should have accomplished something as the result of all these days work. If a man has lived 50 or 60 years with fairly good health and has not accomplished some practical results there is reason for that man and for his friends to decide that his life has been a failure.

Magic Fire.—Looking out of my study window this morning I saw a bright fire burning in a bush outside my room twelve feet distant. Although the flames could be seen as plainly as the flame of any fire, and they were leaping high, not a leaf of the bush was scorched. I could have cried "fire cease burning," and this fire in the bush would have stopped. Then I could have cried "fire burn in the bush again," and it would have burned there. This seems to be a startling statement but in reality there is nothing strange about it and there is no miracle. A fire was burning in my own grate. I was looking through a plate glass window through which the flame on the cloudy morning was brightly reflected on a bush in my front yard. But how easily a magician or trickster might deceive a large audience by having a similar grate fire burning behind the scenes of a theater arranged so that this fire, which was not visible to the audience, could be reflected upon a bush on the stage so that it could not be distinguished by the most critical from actual fire and flame. He could order this flame extinguished and the curtain drawn before the fireplace would cause the fire to disappear. He could put his hand into the flame without being burned. Here is something new in the way of magic.

He Must Work.—A young man said to me yesterday rather dolefully, "I am one of those who must work." "Why," I replied, "so must I work. Every man, woman and child living must work. No one can live long without working, no associates and schoolmates. In telling the benefit of their experience.

young man spoke as though he thought I did not work, but I am a hard worked man, working to the limit of my strength physically and mentally. It is a mistake to suppose that people worth millions of dollars do not work, and also a mistake to suppose that fashionable ladies in great cities do not work. This is a busy world. Many people think that ministers, doctors and lawyers do not work very hard, but the fact is those men do as much work as the average farmer or fruit grower, and their work is more distressing since they are compelled to do a large portion of it in closed houses where the air has lost its vitality. Sometimes elderly men give up active work. This is a mistake. Such men do not live long. This teaches us that no one can live long and be idle.

Tree Surgeons.—Men who are capable of removing a leg or arm from a human being are called surgeons, but there are few people who think that skilled men or surgeons are necessary in pruning orchard trees. For this reason many orchards are seriously injured and many are absolutely ruined by the work of unskillful men in removing branches that should have remained, and in leaving those that should have been removed. Green's Fruit Grower wishes to encourage tree surgeons, if such they may be called, that is skillful men who know how to prune trees, and who can spend several months of the year in this useful occupation in the neighborhood where they live. A man who can skillfully prune trees, one who knows the peculiarities of the various kinds of fruit trees, who knows that cherry and plum trees will not endure as severe cutting as apple and pear trees, one who has had considerable experience, should be able to command double the wages of a burglar in the locality where he lives, as a tree surgeon. I suggest that enterprising young men serve an apprenticeship with successful fruit growers or at an experiment station, or agricultural college, where they can learn how trees should be pruned, and where they can secure a certificate testifying that they have served an apprenticeship and that they are skilled in this particular kind of work. I see no reason why men so taught should not be able to earn \$5.00 a day pruning trees.

How Will Fruit Canning Houses Help Fruit Growers?—Mr. F. A. Smith, of Pennsylvania, asks Green's Fruit Grower to start up a discussion among its subscribers in regard to canning factories and what they can do for the community in which they are located. This is an interesting question and I ask my readers who are living in towns where canning factories are located to give briefly their experience as regards the encouragement such factories give to fruit and vegetable growers, and others.

A canning factory was started four years ago in Rush, N. Y., a village twelve miles south of Rochester, where I was born and spent the early years of my life. Farmers in that locality subscribed money for stock issued to pay for the machinery and buildings, and to start a canning enterprise there. At first it was difficult to get the right men to manage the factory. In fact, the directors and all had much to learn about the important business of canning fruits and vegetables. This factory has not yet made much money further than to pay expenses. The outlook is now promising, and I do not doubt that if the stock holders have pluck enough to continue the enterprise will be profitable.

This canning factory, and all successful canning factories, must of necessity be a great help to any village, and must be particularly helpful to fruit growers and farmers in that locality not only, but to all local enterprises. Such a canning factory induces many farmers to devote lands to garden crops and to various kinds of small fruits which they would not otherwise undertake thus to cultivate.

At Rochester, N. Y., we have one of the largest canning factories in the world, The Curtiss Brothers. This factory requires large capital, probably a million dollars or more. It has been in successful operation for twenty years or longer. Its stock is in demand and is selling at far more than it cost, and pays large dividends. Therefore, under good management there is no doubt that the canning business is profitable, but like every line of business men must serve an apprenticeship in order to learn not only how to can the fruit successfully, but how to market it to the best advantage. I hope that the readers of Green's Fruit Grower who have had experience along this line will give our readers the benefit of their experience.

Failures Late in Life.—A friend has just called who knows many of my old associates and schoolmates. In telling about their experiences late in life he

mentioned a number of people who succeeded in laying by a competency but who, after the age of fifty or sixty years, became involved in debt so that they were greatly distressed in their old age. Is it not strange that men who have enough ability to make property cannot keep it? I have myself learned that it is easier to make money than to invest it safely. The lesson taught by the experience of my friends who have lost is that only the best investments should be sought as the years go by. Mortgages that it might be safe for a young man to place upon his farm when in full vigor of life might not be safe for a man to place upon his farm when he is fifty or sixty years old. We should all plan to make the latter part of our lives peaceful. We do not need a large amount of money, but that which we do need we need very much and should plan well for its safety. Many fathers and mothers lose large sums of money helping their sons, some in business troubles, others dissipated, yet this help is only temporary. The money is soon gone through mismanagement or waste. I know of a mother who gave at odd times her whole estate to help her sons—now mother, sons and all are poverty stricken.

Why Not All Fruits.—A friend asks why I do not devote Green's Fruit Grower exclusively to fruits.

Reply.—Dear Sir: In reply I will say that I have before been requested by subscribers to devote every part of Green's Fruit Grower strictly to fruit growing. I have given this matter very careful thought. It seems to me that in a certain sense every ruralist is a fruit grower, for every one of them has a little fruit growing upon his place. On the other hand there are comparatively few professional fruit growers in this country, not enough to make any publication very prosperous considering the number of them who would subscribe. The professional fruit growers keep themselves posted in other ways than through horticultural journals. They are armed themselves to instruct editors.

The great object of Green's Fruit Grower is to instruct the rising generation and many older people in the interesting and profitable pursuit of horticulture. We could not possibly interest young people nor the small fruit grower in a paper made up simply of dry details on spraying, insecticides, damage done by insects and other features that were an appeal strictly to the professional orchardist. Journals devoted strictly to the orchardist do not interest me, and as far as I can see cannot be expected to interest a very large number of people.

Nut Trees by the Roadside.—I met my friend, Mr. E. T. Marsh, upon the streets of Rochester lately, when he said that he opposed the plan to plant nut trees along the improved highways leading out of Rochester into the beautiful country east, west, north and south. He said that nut trees were possessed of great beauty, particularly a chestnut and the oak, but he did not think that farmers would secure much revenue from the nuts grown upon the trees along the roadsides since the nuts would be carried off by thieves. He said that he once owned a beautiful farm a mile or two out of Rochester, on which were numerous chestnut trees. These trees were continually visited by thieves. The predators did not consider themselves thieves. They were, in fact, many of them, prominent citizens of Rochester. They seemed to think that nuts were not private property, but that they could be taken up by whoever desired them. One day Mr. Marsh saw a team hitched by the roadside and a number of men with baskets marching off toward his chestnut grove. As immediate precaution he drove the team into the barn and locked the door. Then he proceeded toward the chestnut trees. He found the men had climbed the trees and were threshing off the nuts. He expostulated with them and ordered them to leave. They boldly declined. They said they were after nuts and they were going to get them. The public at large have but little respect for private ownership in fruit of any kind, but particularly in those delicious fruits known as nuts.

A heart to heart talk with employees is like oil on a machine, while a calling down is like putting sand in the gear wheels.

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HOUSEKEEPER MAGAZINE,
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people who succumb to competency but die before they are sixty years old, so that they are left in their old age. Those who have property cannot afford to have it invested in them. Mortgaging for a young man in full health is safe for a man when he is young. We should all live in the hope of our lives and not need a large sum which we do not have. We should plan for our fathers and mothers and money helplessness troubles, help is only a short time away. I am at odd times with my sons—now very stricken.

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Fruit Grower

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Reform in the Work of Farmers' Wives.

By the Editor of Green's Fruit Grower.

There is something wrong with the work of the farmers' wives and with that of most people who work in kitchens. I hope to specify how such work may be made easier.

Let me specify how work is laid out by thorough going business men. Supposing such a man desires to build a house, a hotel or a large factory building. The first thing this man does, if he is wise, is to make plans or to have plans made by skillful men known as architects. Every piece of timber, every brick, every window, every door, chimney or partition is plainly shown in this plan before a shovelful of earth is moved or a stick of timber raised for this new building. Does the farmer's wife plan her work in any such way, or in any way? I fear in some instances that she does not plan her work at all, and that one reason why her work does not proceed faster, and why it draws the vitality of her life is a lack of planning from the start.

I say this with some hesitancy since I sympathize with the farmer's wife and realize that in many instances she is required to do more work than she should do or can do and retain her cheerfulness and good health. Well laid plans will accomplish marvelous things in any enterprise. Housekeeping is so different from other kinds of business, and housekeeping is a business, it is difficult to make plans and yet plans are necessary.

When I speak of plans I mean that more thought should be given by the housekeeper to the work in hand each day, and that more system should be introduced into this work, whether she does it herself or employs servants to do it for her.

The first plan that I would suggest to the housekeeper is that she should attempt to get more help from her husband, her sons, her daughters and from the hired men about the place. Most kitchens are poorly planned and are deficient in many helpful devices. Surely the wife should have enough influence over her husband to induce him to make the kitchen what it should be, and to supply it with everything needed to make the work there as easy as possible. But she will have to use some tact to get her husband to make these changes. How many wives there are who are compelled to lift pails or boilers of water daily from the floor to the top of the cooking stove. How many wives are compelled to carry water a long distance every day, and particularly on washing day, and who must lift heavy wash tubs partly filled with water. In cities all this is avoided, for they have stationary wash tubs, with faucets at the top which admit hot and cold water, and escape valves at the bottoms of the tubs which allow the water to pass away so that no water has to be lifted in doing a large washing. A pail of water is too great a lift for most women. If there is water to draw or wood to bring get the boys to do it and see that they do not forget it.

Plan to have one of the boys build the fire each morning in the kitchen stove, and to have wood and water at hand ready for you when you reach the kitchen. Plan to save yourself strength in running up and down stairs. I tell my wife that she runs up and down stairs more than twice the number of times necessary. She does not attempt to save her strength in running up and down stairs, and does not realize that she is expending vitality in thus moving her

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How attractive a neat person is—every button on—not a stitch missing anywhere—everything as it should be! And the work such a person does usually shows an impress of this quality.

Neatness is a quality that not only attracts, it pays also. No matter in what station of life you may be, no matter how important or how insignificant your work may be—it will pay you to be neat about it. You can dignify your work thus—and make it not laborious and unpleasant, but the source of great pleasure.

Care of the Piano.—Almost every one has a piano but there are few who know how to care for the instrument. It should not be placed near a stove or register. It should be kept in a room where temperature is neither extremely hot nor cold and where the temperature does not change rapidly. It should not be placed in a damp room. It should be kept in tune. A piano needs tuning three or four times a year. Moths do great injury to pianos by consuming the felt used on the hammers and other parts of the keyboard. Housekeepers know how difficult it is to keep moths out of their woollen clothing but how seldom they think about the moth consuming the felt used in the piano. Dust accumulates in the instrument and injures it. The keys turn yellow if the piano is kept closed all the time. Do not crowd the piano back against the wall but leave a few inches space between the wall and piano. A light spray of turpentine on the felt twice a year will keep out moths.

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What was the baby crying about just now? Did he want the moon?"

No; Willie was trying to make him laugh with a glove stretcher."

For over sixty years Mrs. Winslow's Soothing Syrup has been used by mothers for their children while teething. Are you disturbed at night and broken of your rest by a sick child suffering and crying with pain of Cutting Teeth? If so send at once and get a bottle of "Mrs. Winslow's Soothing Syrup" for children Teething. Its value is incalculable. It will relieve the poor little sufferer immediately. Depend upon it, mothers, there is no mistake about it. It cures diarrhoea, regulates the Stomach and Bowels, cures Wind, Colic, softens the Gums, reduces Inflammation, and gives tone and energy to the whole system. "Mrs. Winslow's Soothing Syrup" for children teething is pleasant to the taste, and is the prescription of one of the oldest and best female physicians and nurses in the United States, and is for sale by all druggists throughout the world. Price, twenty-five cents a bottle. Be sure and ask for "Mrs. Winslow's Soothing Syrup." 1840-1860.

body up and down the distance of 12 or 15 feet so many times each day.

When you are well supplied with fresh fruits, as every farmer's family should be, instead of making pies and cakes let tempting fruits form the dessert at the dinner hour; a nice dish of grapes, peaches, strawberries or something of that kind will take the place of the pies and puddings, and see how much work can be thus saved. Plan what to do when interrupted at your work. Interruptions are serious. When one feels that certain work must be accomplished within a limited time interruptions such as calls from gossips tend to make one nervous and fretful. The best plan is to plainly yet kindly tell the visitor that you trust she will excuse you, that you have work on hand that must be done. If the caller is a reasonable person she will take no offense. If some one rings your front door-bell when you are very busy send some one to the door and notify the caller that you are engaged and cannot be seen at that hour.

I have mentioned but a few of the plans that might be made to make the work of the farmer's wife easier. Many will suggest themselves to the reader.

A Needle and a Spool of Thread.—What They Did.

Written for Green's Fruit Grower by Virginia Gerard.

Some months ago there died in the city of Chicago a wealthy man, the founder and owner of a big transportation company. In the pocket of the coat he wore daily, were found a needle and a spool of thread carefully wrapped up. These had been given to him in 1834 by his mother.

He was then a poor boy, leaving the farm and starting out for himself without a dollar to call his own. All his mother could give him was this needle and thread which he cherished so carefully all these years. She gave them to him with the parting injunction: "Use these! Be neat!"

This boy remembered his mother's advice and tried to follow it not only in his personal attire but also in his work. He tried to be neat about himself and everything he laid hands on. His employers saw this. They noticed that he always tried to arrange things so as to make them look attractive. They sold more goods. It pleased them. He was promoted. He grew to be more and more careful as he went along. His employers marveled at him and his work. Everything he touched was orderly. Such a boy they had never seen! He was again promoted. He rose from one place to another. While careful about his personal appearance, he was far from extravagant. He saved his money and invested it from time to time. Then he started up a transportation company on a small scale. Attention to business and neatness greatly increased his trade. He enlarged his business until at his death it was one of the largest of its kind in Chicago.

There is something about a neat person that attracts one instantly. It appeals to the eye and gives pleasure to the beholder.

How attractive a neat person is—every button on—not a stitch missing anywhere—everything as it should be! And the work such a person does usually shows an impress of this quality.

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From Mary Patton Hudson.

Written for Green's Fruit Grower.

Be original. Improve upon the methods of others; do not servilely imitate. The latter is a common fault with housewives, especially those in the country who imagine that there are no new means of entertaining in an economical way. This is a mistake, as will be easily seen. The following ideas for a luncheon may not appeal to all and yet may be a help to many. The aims of city women are always in the line of individuality.

The same ingredients, remember, are used alike by city and country folk. The former try to evolve ideas that will be copied. When undertaking to entertain do not try to serve too many courses. This is now considered bad form.

Bear in mind that the manner of serving yields fully half the honor of the success.

Place the table cloth over the table pad, and, by means of a warm iron and a damp napkin smooth out every fold. Arrange the center ornament before anything else. A unique style may thus be described. Nearly fill a large meat dish with sand. Dampen it a little and cover with green wood moss. Arrange bright flowers in this, the larger in the middle, finishing with small ferns, or any green leaves to imitate a fernery. Place underneath the dish a piece of white oil cloth, to protect the table cloth, and over this a white center piece. Be careful not to make too wet or the leaves will drip and spoil the cloth. This is a good and fashionable menu:

Bouillon (any clear soup); fish balls, with small squares of toasted bread, buttered; homemade wine or sweet cider; celery salad with sandwiches made of nuts (hickories are excellent); sweet potatoes and small turnips, boiled whole and well buttered; ice cream and cake, or snow gelatine with whipped cream, and cake; peppermint creams; salted almonds; coffee.

DON'T TELL.

Don't tell any one your children's faults, even to their relatives. If you need advice get it privately. Mortifying children creates bitterness in their untrained hearts and estranges them from you.

Don't tell your own age or ask for figures concerning others.

Don't tell your neighbor that you disapprove of his or her ideas. By so doing you will find how soon you will be forgotten by them.

Do not tell that your children cannot be induced to read, for this is largely your own fault. Educate their tastes in reading by your own interest in books. Read to them only such books as they like, regardless of your own tastes in the matter. If a boy likes to devour tales of the Wild West do not disapprove. Any reading, if not actually baneful, is better than none. You will find that, as children grow older, their tastes in literature will change for the better. If one child likes a certain kind of reading do not compel another to listen to it, but give all an equal chance.

Do not tell your friends that your children eat so few things, for this is due to you, evincing your poor capacity for training. Well-bred people are taught to eat everything that is good food.

Do not tell people that your family do not like salad oil, for this shows unfamiliarity with fine service in this line.

Don't tell your neighbor, "I'll be over to spend an evening next week." Name the day and, barring serious difficulties, keep the engagement.

Don't boast to your less fortunate neighbor in this line how many social invitations you have. Treat as you would be treated.

Don't tell your friend who has an temperate husband how sober and excellent your own. Do not tell anyone, in short, anything you would rather not hear yourself.

Baked Cranberry Pudding—Place a quart of berries in an earthen baking dish. Add two cupfuls of sugar. Cover with a light crust. Bake in a moderate oven one-half hour. Serve with hard sauce.

Cranberry Roly-Poly—Roll a light and rather stiff biscuit dough rather thin. Spread with a good hard sauce. Roll up and steam for twenty minutes or a half an hour. This may be baked in a quick oven and with sweetened cream makes an excellent dessert.

Cranberry Dumplings—May be made in the same way. Cutting squares of dough, putting on each a spoonful of thickened sauce, bringing the corners of the dough together at the top to hold the sauce. These are equally good whether steamed or baked.

Modesty is a great ornament, but sometimes it is more ornamental than useful.

What Constitutes a Home?

Editor Green's Fruit Grower: Is John Ruskin right when he says "nothing is truly beautiful only as it is useful?" How much of the beautiful do we work into our homes if he is correct, since there is so much that is useful about them and so little that is useless.

The non-essential is one of the curses of this age. Those who are content to live simple lives are far happier. Think of the fruitfulness, envy and petty misery caused by striving for unnecessary things. And yet how many times we have been told that riches do not consist in the abundance of possessions. City life has shriveled people physically and mentally. City people are growing short-sighted, thin blooded, narrow chested, dyspeptic, nervous. He who lives nearest to the soil has every advantage over his city brother. Those who confine their eyes to the ledger, to the store house of goods, or to the counting of money, scarcely realize the pleasures of out door life, and have partially lost the capacity for enjoying the beauties of nature which God has placed so bountifully around them. During the last twenty years a silent revolution has been going on in the minds of men and in their hearts in favor of country life. The march is moving from the city to the country. Writers like Burroughs, Seton Thompson, Bolles, Van Dyke, Skinner and Roberts are waking up the people so that they may appreciate God's beautiful country.—Irene Peters, Mass.

Peanut Salad.—Soak one cupful of nutmeats in olive oil, drain and mix with two cups of cut celery and a dozen ripe or green olives, pitted and minced. Mix with mayonnaise and serve on lettuce. This is particularly good to serve with duck or game.

California Graham Muffins.—Sift together one cup of graham flour, half a cup of white flour, two tablespoonsfuls of sugar, a saltspoonful of salt and two tablespoonsfuls of baking powder. Beat one egg to a froth, add to it a cup of milk and beat the flour. Bake as usual.

Hominy Muffins.—Mix a cup of warm boiled hominy cooked to the proper consistency for the breakfast table with a saltspoonful of melted butter, a saltspoonful of salt and a cup of milk. Add this mixture gradually to a cup and a half of flour in which has been sifted a teaspoonful and a half of baking powder. In case this does not seem quite stiff enough add a little more flour. Lastly, add two well-beaten eggs and bake in the heated muffin pans.

Rice Muffins.—Dilute two cupfuls of cold boiled rice with half a pint of warm milk, stirring until free from lumps. Add a saltspoonful of melted butter and the beaten yolks of three eggs. Sift together one pint of flour, one saltspoonful of sugar, half a saltspoonful of salt, and a teaspoonful and a half of baking powder. Add to the rice and milk and beat until a smooth, firm batter results. Have the muffin pans hissing hot.

Here's a recipe for making a coffee fruit cake. Its excellence is vouched for by a good cook. Beat to a cream two eggs, half a cup of butter and one cupful of sugar. When these ingredients are properly mingled add half a cup of New Orleans molasses, stirring it in well. Next add one teaspoonful each of powdered cinnamon, mace and cloves.

Stir them well through the mixture; dissolve a teaspoonful of baking soda in a half a cup of cold coffee and stir it in; then chop rather coarsely a cupful of seeded raisins; dust them well with flour; sift two cupfuls of flour in a bowl and stir it in a little at a time, sprinkling the raisins in, and stirring them in a few at a time, as you stir in the flour; line two medium-sized cake tins with well-buttered tissue paper and put half the cake batter in each tin; bake in a slow oven till a broom splint may be thrust into the cake without dough sticking to it.

Lemons for feverish thirst in sickness, for biliousness, low fevers, rheumatism, coughs, colds, liver complaint, etc.

Blackberries as a tonic. Useful in all forms of diarrhoea.

Tomatoes are a powerful aperient for the liver, a sovereign remedy for dyspepsia and indigestion. Tomatoes are invaluable in all conditions of the system in which the use of calomel is indicated.

Figs are aperient and wholesome. They are said to be valuable as food for those suffering from cancer; they are used externally as well as internally.

I have been taking Green's Fruit Grower a long time and to my notion it is far ahead of any other rural magazine, and I am taking a large number of farm and horticultural journals.—M. E. Beard.

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I have a sure, quick and lasting cure for Rheumatism. I cure it by means of Vibro Discs, a wonderful new appliance which is used exter-



nally and draws out the poison from every part of the system. It is the wonder of the age, and a godsend to Rheumatic sufferers. There is nothing like it, and nothing equal to it. It banishes pain as if by magic, and conquers this dread disease in all its cruel forms and stages. It is safe, simple and convenient for home use and roots out the acid venom so thoroughly that no relapse or fresh attack can occur. Prove these claims yourself by testing the remedy at my expense. I will send you, absolutely free, four of these Vibro Discs.



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SCARF PIN GIVEN TO SUBSCRIBERS



While in New York recently I found in one of the largest Broadway stores a stickpin which I consider attractive as a gentleman's scarf pin. The above photograph shows the design which we offer as a premium to each subscriber to Green's Fruit Grower who sends us 50 cents and claims this premium when subscribing. The pin is a green stone and is surrounded by what appears to be a network of little beads. This is a pin that any gentleman of taste can wear. A friend who has a \$200 pin wears this pin in his travels where he is afraid of losing his valuable diamond. This pin can be used by ladies in various ways. We are convinced that this pin will please the readers of Green's Fruit Grower, but do not fail to claim the pin when subscribing, since if you do not claim it at that time you cannot get it as it is impossible for us to look over the many thousand subscribers in order to trace your subsequent claim.

Our Orchard Department.

SEASON OF 1904 FRUIT LORE.

Editor of Green's Fruit Grower: Although the winter of 1903-04 was unusually severe upon certain fruits, we appear not to have suffered as did many. The strawberry season was pleasing throughout. It is true that the picking commenced a little later than usual, but it made up for that in the length of time that the delicious fruit could be found. Corsican, Brandywine, Senator and one or two others still held us to the good opinion of them. The average good picker picked from 85 to 125 quarts per day of 8 hours and this at 1-2 cents per quart made them happy. This picking note is guarantee that these varieties are still holding their own on our grounds, and can be recommended as good varieties to plant. After the strawberries gave us one hundred bushels berries came in, and what a crop of purple ones (Columbian) to be sure. Sixty-six bushels were picked from 9 rows of 150 paces. Black raspberries were a fair crop, but injury by winter caused a shortening of the yield. Red were good and sold at high prices. Blackberries have usually been quite a consideration with us, but this crop, like the peach crop, may be entered as a fizzle for 1904. The year previous a little patch of blackberries gave us one hundred bushels, which sold readily at \$3.20 per bushel. The returns for 1904 for this field were 10 cents, an astonishing difference. Red currants were a good crop, selling very readily at good prices. Black currants were in much demand. It would be little trouble to dispose of the crop of an acre or two of Black Champion currants if we had them. And this brings us to cherries and plums. Cherries are all-right, especially the Morello type. Richmond and Montmorency. With low-headed trees and quick pickers we made a good thing out of the sour cherry, the demand for the fruit being always heavier than the supply; 6 and 7 cents per pound was the prevailing price. Plums on the other hand seemingly are always in excess of needs and yet by putting them up in good shape we disposed of the bulk at a fair paying price, but a man should either make it a business to grow plums and plant enough so that he can charter cars and ship in bulk lots, or else locate near a good sized town and grow fancy fruit and put it up in fancy shape.

The pear crop was light. Wilder Early yielded a lot of nice fruit as did Bartlett and Clapp's Favorite, but the other main varieties evidently took a rest. Apples—my what a show of apples. One hundred and twenty-five varieties in fruiting and many trees bent to the earth with their crop. More care was taken in spraying the specimen rows and the quality was superb. Specimens of about sixty varieties were sent to the N. Y. State Fair in September, with others shown by the W. N. Y. H. S. and their collection gained the special premium offered. At this point we cannot forbear saying a word or two about some of the newer apples grown by us. Amongst the fine quality apples Schiawassee Beauty, Mellon, Rockbridge, Princess Louise and Fanny certainly stand pre-eminent. For fine appearance and large size Alexander, Red Beetsheimer, Bismarck, Wolf River and Banana were especially noticeable. Of the better well known apples Yellow Transparent as the earliest, good, light colored apple is a treasure; it is a hardy, early productive variety. Wealthy is another very hardy tree and the fruits of that beautiful showy red that attracts both the grower and the buyer. Jacob's Sweet amongst the sweets, if I am not mistaken will supercede the old pound sweets and many other sweets on account of its very large size, fine appearance and other qualities. But there are perhaps fifty more that it would seem good to speak of, but space forbids.

Baldwin, the old standard, beats its good record by producing a heavy crop again. This is the third season in succession that it has given a good to very large crop. In these parts a few years ago its reputation stood as an every-other year producer.—E. H. B.

Downing says the Wagener is thrifty, upright, hardy and an early bearer, requiring thinning. Fruit medium or above, yellow, mostly shaded with crimson, obscurely striped and sprinkled with light dots, stalk nearly an inch long. Flesh yellowish, very tender, juicy, excellent, brisk, somewhat vinous, very good to best. A very delicately flavored apple. Ripe November to February.

Many orchards are kept in grass year after year. The grass is cut for hay and no manure is applied to the land. The trees make very little growth and bear only very light crops of small, imperfect fruit, and yet the owners wonder why their orchards bear so little fruit. It would be a wonder if such orchards should bear well—their owners always taking from them and never returning anything to them. Such orchards may be top-dressed with manure and sheep turned in. The sheep will eat the grass and leave the manure upon the ground, which is better than cutting the grass for hay and carrying it off the land. There are many orchards which are well grafted to valuable market fruit, which if well cultivated and manured might be made to yield four times the quantity of fruit that they do at present. If some of the owners of such neglected orchards would apply the manure, which they use on their corn crop to their orchards every other year they would obtain four times as much money by the increase in the apple crop as they can for the corn they raise.—Exchange.

In the town of Greece a farmer rented his farm, offering it for a cash rent of six hundred dollars, or for five hundred if the tenant would relinquish half the apples on a young fifteen-acre orchard. The tenant didn't want the apples anyway, didn't believe orchards paid, and took the farm on the lower cash proposition. The orchard had fully one thousand barrels of fine apples, worth at least two thousand dollars; probably worth that after deducting cost of picking and marketing. The owner of the farm has offered to give off the rent for the balance of the farm provided the tenant will relinquish his half of the apples. The offer has not been accepted, very possibly for the reason that if the tenant gave up half the apples for five hundred dollars his chance for making anything from the remainder of the farm in such a season as this has proved would be very slim.

Trees for Fences.—A durable wire fence can be made by planting straight growing trees a rod or so apart and putting wires on them by means of staples after they have grown several years. Lombardy poplars are good for the purpose, as they are straight and rapid growers. They are not especially desirable trees, however, as they are easily broken by ice and wind, and in many of the Northern states they are not long-lived. There could be no objection to using apple or pear trees for this purpose, if one is pressed for room. As the trees would be in an isolated row there could be but little trouble from their being too close together. If apple trees be selected for such a purpose, the more upright growing varieties should be selected. Pear trees would answer the purpose best. On small places, where a permanent fence is required, fruit trees could in this manner be turned to double account.

A Plea for Sweet Apples.—It is a fact conceded by all our physiologists, that the sweets—as set over against the acids which deplete the system somewhat—are fattening. On this principle, which I regard a true one, sweet apples are excellent to fatten with, even alone, and when combined with meal after being cooked comprise a food that is well nigh complete for our hogs. And it is not all theory either, or at least the theory can be verified and justified by observation and practice.

I have no doubt of the efficiency of this food as a fattener, judging from my own limited observation and experience. And I think every farmer in grafting over some of his numerous early sorts would do well, exceedingly well, to put in their places two or three kinds of sweet apples, early and late varieties, so as to have succession through the apple-bearing season.

How to Market Fruits.—H. H. Williams says that all commercial fruit growers should visit large markets and learn from experience the great value of careful handling and packing. Much really good fruit has to be sold at low prices simply because it is sent to market in bad shape. Good fruit, well packed, and the grower's name plainly stenciled on the package, will soon make a name for the grower, and such goods will always sell quickly and at high prices.

If we suit you, tell others. If not, tell us.

Catarrh, Foul Breath.

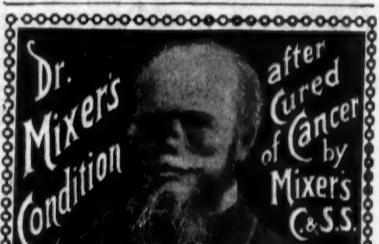
If You Continually K'hawk and Spit And There is a Constant Dripping From the Nose into the Throat, If You Have Foul, Sickening Breath, That is Catarrh.

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Any person having catarrh always has a bad breath. The sense of smell and taste are nearly always totally destroyed in time so that the person who has catarrh does not realize how loathsome their disease is. They continue their K'hawking and spitting and spluttering about promiscuously until they are shunned by everyone, and the sight of them is enough to make a well person sick.

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ABOUT OLD TIME ORCHARDS.

Charles S. Wilson, of Cornell University, writes C. A. Green, asking questions on this subject. Reply: In reply to your inquiry I will reply as follows: Varieties come from various sources; from Russia, from the Eastern, Western and Middle states. The Spy apple was originated in Bloomfield, about fifteen miles south of Rochester. American Blush came from Farmer Village, Cayuga Co., N. Y., was sent me by James Norton, who said it was closely allied to Hubbardston but was different from Hubbardston and a long keeper. Banana was sent us fifteen or twenty years ago from Flora, Ind., or by a man by the name of Flora, I have forgotten which. Blasemarck came from Germany. Yellow Transparent, Red Bletchheimer, Borsdorff and Duchess came from Russia. Princess Louise from Canada. Wismers Dessert from Canada. King from Tompkins Co., N. Y., Golden Royal from Mass., I think. Blenheim or Lord Nelson from England. Ontario from Canada, also Shiawassee Beauty. York Imperial from Pa. Yellow Pippin and Black Detroit, I cannot say. I write this without records, simply from memory, and am not sure I am absolutely correct.

The first large commercial orchard I have any knowledge of was planted in Henrietta, six miles south of Rochester, forty-five years ago. It embraced fifty acres. It does not exist now. The early orchards of my childhood that bore fruit over fifty years ago, and were then well grown, were universally seedling trees, some of which have been grafted to improved varieties, but a larger portion of the trees bore seedling fruit. Some of this fruit was often found lying on the ground, partly covered with leaves, in the spring, in good eating condition, probably protected by snow. The varieties known then were Golden Sweet, Cabasha, Sweet Bough and a yellow harvest apple known as the Short Stem, Black Detroit, Twenty Ounce, Golden Pippen. I do not remember any valuable winter apples at that date. But five or six years later I remember of seeing orchards of the King, R. I. Greening and some other varieties, but my recollection is indefinite.

My first orchard was planted forty years ago. As near as I can remember it contained the following varieties: King, Baldwin, Greening, Spy, Rox. Russet, Early Harvest. My more recently planted orchard contains about 300 varieties, a list of which I will attach.—C. A. Green.

LATE BLOOMING PEACHES.

Editor of Green's Fruit Grower:—Last year the peaches and nearly all the apples in my vicinity were killed by cold on the 20th and 21st of April. This was late in the season when the woods are sometimes green, and fruit then in bloom is very rarely injured by frost. Still I noticed in a neighbor's orchard some apple trees that were not yet in bloom and the fruit on these escaped the general destruction. This circumstance naturally suggested to me the idea of selecting for late bloomers. If we had apple and peach trees that would not bloom until the last days of April, in this latitude (38 degrees), we could be almost certain of fruit every year, just as we are nearly always certain of blackberries because they bloom so late. It seems strange to me that fruit growers have paid so little attention to this matter. I have been an extensive reader of agricultural and fruit journals and I do not remember to have ever seen the subject discussed, though I suppose it must have been. If some systematic effort were made to develop late bloomers, I see no reason why millions of dollars worth of fruit might not be saved almost any year. I do not know of a late blooming peach, but I can name two apples of that character. The one referred to above is called the Jennet.—T. C. Karns, Tennessee.

My Kieffer pear trees have borne splendid fruit and large crops but I have to sell them so cheap that I do not make much profit. We have a variety of plum that pays better profits than all other plums. We have apricot trees, peach trees, Morello and Tartarian cherries, Ben Davis, Tailman Sweet, Famouse, Baldwin, Greening, Spy, Ribston Pippin, Red Pippin, Gravenstein, Gravenstein and Ben Davis sell well. Have kept Ben Davis until September. I love

to work outdoors among my fruits. My husband used to grow berries for market but has given up berry growing. We still have a nice bed of strawberries among which is C. A. Green's big berry, also Snyder blackberry and a few Iceberg. I could not do without red raspberries for family use, also blackberries, gooseberries and currants. I have the Red Cross currant which bears fine well flavored fruit.—Mrs. Julia F. Bradt, N. Y.

TREE PLANTING TO MORROW

No man has seen to-morrow. To-morrow I will restrict myself says the spendthrift. To-morrow I will pay my debts says the bankrupt. To-morrow I will reform says the drunkard. We have a man here who is going to plant fruit trees to-morrow. He stopped our teams on the road laden with trees, and asked if we had any more left. "Yes, well, I will come to-morrow and get some." Not coming, we sent our man over to see him. His place was barren of everything eatable but hogs and hens. "Young man, I will come over and see you to-morrow—I want to put out an apple orchard and some cherries, but don't know just how many I want. No, no, won't order now—wait till to-morrow." Our man thought he heard a giggle from the young folks in the next room, but couldn't understand the point. One day about the last of the season our man, who never says fail, drove up to our to-morrow friend's door with just the kind of trees he said he wanted. "No, I can't plant this year; it is too late now—must put it off again." "How long have you talked about planting trees, my friend?"

"Well, sir, I have talked about it these 20 years, but never quite got at it. Sometimes the folks was sick, sometimes I hadn't a cent to buy with, sometimes I thought the boys ought to do the settin' out, so long as they would get all the good of them—one reason or another has upset me, and while I have been foolin' about my neighbors have got their orchards into bearing. But see here, young man, you come around next fall and I rather think now that I'll plant them are trees. I need 'em you know. Yes, come around; come around." But our agent shook the dust of that man's farm off his feet forever, never to return to-morrow.

Lord Nelson.—This superb apple was brought from England by a farmer neighbor, now deceased, who, in bidding farewell to his father-land and the familiar friends and surroundings of his childhood, could not give up the favorite apple that had fruited so generously in his garden. It has been tested here for several years, and bears heavy crops of large, smooth, marketable apples, remarkable for freedom from defects or worms, and a favorite for eating or cooking with all. It appears to combine many of the good qualifications of the Hubbardston Nonsuch, and the Seek-no-further, while it is larger and fairer and more productive with us. It appears to be exceedingly hardy. Charles Downing does not recognize it, and finds no record of anything like it. Skin yellow, splashed with red and russet; flesh white, crisp, tender, juicy, subacid, enticing: form roundish, slightly oblong; season December to February.

Don't.—Don't mix ashes with other manure. Don't top dress when ground is frozen. Don't allow your manure to leach. Don't plough more land for your wheat than you can manure well. Don't let your fowls roost where their droppings will be lost. Don't sell any hay or straw. Don't fail to buy all good manure offered at 75 cents per load. Don't manure in the hill with coarse or fresh manure. Don't fail to make manures fine before applying to the soil. Don't fail to secure a good supply of absorbents in the fall. Don't fail to have manure of some kind on hand all the time.

Many rough and now seemingly barren hill-sides can be made to produce more profit if planted with fruit trees than if used for other purposes. It would be the worst kind of folly to plant trees upon our stony hillside pastures and expect them to grow and yield a profit without further care. Rocky land is generally very rich in those elements that go to make rich and high colored fruits, provided it is not dry and sandy, and holes can be dug large enough to receive the trees.

Pear trees come into bearing after planting sooner than apple trees, and annual crops are more certain with the usual treatment that both crops get. Generally, too, pears bring the prices.

Things don't turn up in this world until somebody turns them up.

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18	5	23	1	18	4	YOU	w a y s
6	15	18				wanted to possess	a few pictures
25	15	21				your home that you knew were reproductions of the world's masterpieces. You have read of the great paintings in the Art Galleries and Cathedrals of the Old World. Those of you who have visited the Metropolitan Museum of Art in New York City have there seen paintings that have cost fortunes, and enjoyed and appreciated their beauty. We now give You the opportunity of securing Two Pictures which are reproductions of the world's most famous and costly pictures. The	

reproductions are executed for you to own Two of these Beautiful Pictures, all that is necessary is for you to send us the solution of our puzzle. You will find four lines of figures, and each line spells a word, and the four words make a sentence. There are 26 letters in the alphabet, and we have used figures instead of letters. For instance: "A" is 1, "B" is 2, "C" is 3, etc. Start now and work it out.

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PROFESSOR H. E. VAN DEMAN,
Associate Editor of -
GREEN'S FRUIT GROWER.

HIS ANSWERS TO INQUIRIES.

Profit in Berries.—A correspondent in Illinois wants to know if there is a good or poor prospect ahead for those who want to grow berries. He says he has good land and the labor to produce crops if he can sell the berries to advantage.

Reply.—There is no doubt about there being plenty of room in the markets of the country for good berries, and there always will be. Our people are eating more and more fruits of all kinds, and they like and will pay for good berries. But they must be good. They must be as ripe as it is possible to allow them to get before they are picked, and they must be clean. It is really a difficult matter to get ripe berries in the city markets in good condition, as I know from several years' experience in Washington, D. C. There seems to be too little care used in gathering the berries, especially is this true of strawberries, and too long a time between the time they leave the farm and the delivery by the local dealer to the consumer. Dirty, gritty berries always make the consumer dissatisfied, and stale or rotten ones leave a bad taste in the mouth.

When I lived on the farm in Kansas I used to grow more berries than we could use at home and often had some to sell. I found that my neighbors, who were all farmers, wanted about all that we could spare. Sometimes I had some with me in the wagon when I went to town and it was never any trouble to sell them at fair prices. Many times I would not get to town with any, having sold them on the way. The people in the small towns and even country customers will be found willing to pay more for really good berries than can be got by sending them to the big cities. By having a wagon to send regularly to market there will soon spring up a trade on the road that will be surprising. There is much in running it regularly, so that the patrons may know what to expect. By engaging to deliver at stated times, the weather permitting, one can often sell twice as much as otherwise. It is one thing to grow fruit and another and a harder one to sell it to advantage. But if the quality is good the selling is greatly simplified. However, one must know how to look after the business end of the matter.

In growing berries there should be a succession, that one kind may follow another throughout the season. This keeps the people on the farm employed for a long time, and not rushed beyond their with very little to do. The same is true of the selling of it. Also, one may succeed when another does not. Therefore, grow the different kinds of berries, so far as the land and climate will permit.

Better Quality.—I have noticed in some of the rural papers that there are complaints of the poor quality of many of our leading fruits and a tendency towards growing something better to supply the markets. Is there a real demand for apples that are better than Baldwin and Ben Davis at a price that will pay to grow them? How about other fruits of the same character?—W. T. M., Conn.

Reply.—While it is true that most buyers of fruits care far more for looks than they do for quality there are those who look further and deeper than that. Goodness in a fruit is more than skin deep and some people know it. Yet, for the average consumer we must have something really good to look at before he will buy it.

Fortunately, in the way of apples, we have a few that are not only far better in flavor than Baldwin, Ben Davis and others of the same general character but more handsome. And they are good in their behavior in the orchard and keep well into the winter season. Notable among these varieties, which are few, is Jonathan. It is only of medium size, and this is true of Baldwin, but in color it is brilliant red and very attractive. The quality is high, the apples never getting dry and of poor flavor, even if half rotten. The trees will grow anywhere that Baldwin will succeed and excel them in regular bearing. In the matter of late keeping Jonathan will not equal some of the winter apples, but in most sections of the North it will last until the latter part of the winter.

Grimes is an early winter apple of the highest quality. It is of medium size and golden yellow when ripe. There is no apple that I know that excels it in rich flavor and few equal it. In bearing the tree is as good as the best, and is hardy and well shaped. The fruit requires rather early gathering.

If one will give good attention to the trees, cultivating and spraying them well, Esopus (Spitzenberg) will pay. It is one of the best apples known and has a reputation that will always help to sell it. Hubbardston is another very choice apple that has almost no faults. It is not a late keeper and is not very attractive in color, but it is good under the severest tests. Banana is new but is gradually becoming known and appreciated by the lovers of good fruit.

Rest assured that there is and will always be a good demand for really choice apples and the same is true of other fruits. Baldwin and Ben Davis will sell to the general consumer but those who want something really good will look further.

Orchard Not Productive.—I have an orchard of apple and pear trees that has been planted for eight years and well cared for, but the trees do not bear much fruit. It seems to me that they should begin to yield abundant crops at this age. The varieties are Baldwin, R. I. Greening, King and other standard varieties. What should I do to this orchard?—A. L. P., New York.

Reply.—Those who engage in fruit growing should have patience as a considerable part of their makeup. It takes a long time to get orchard trees into profitable bearing, especially in the eastern part of our country. In the central and western portions fruit trees of all kinds bear very early, some of them bearing full crops at four or five years from time of planting. In nearly all portions of the country east of the Mississippi river it requires about twice as long for trees to come into profitable bearing, and sometimes much longer. Trees that are well cared for are apt to be a little more tardy in producing fruit than those that are somewhat neglected, but they will bear better in the end. It does not pay to omit or neglect good tillage and proper manuring of young orchards, but high stimulation of the trees, especially with nitrogenous manure, when young, will cause excessive and prolonged growth of the trees. When the time for fruit bearing really comes they will be none the worse for the delay, but might better have begun a little sooner.

The Baldwin apple is an old standard apple for New York and other Northern states, but it is not an early bearer and the same is true of R. I. Greening. Both of these are suitable to that region, but the Baldwin is sometimes very unpredictable in its bearing and may be said to be spasmodic in this regard. The quality of the fruit is only fair. Northern Spy is a very late bearer, but it is a splendid apple in quality, and as it is so good for either home or market uses those who grow apples should be willing to wait for the trees to bear.

All that can be done with the orchard under discussion, and there are many more like it, is to give it good culture and not very strong manuring and await results. It is scarcely time to expect much from it. A wise plan, in setting a new orchard, is to set early bearing varieties between the tardy bearers. Small fruits can also be grown among the trees for a few years.

New Fruits.—Will it pay fruit growers to interest themselves in new varieties? Are they not usually of little value and very delusive?—A. R. N., Ohio.

Reply.—If may not pay fruit growers in dollars and cents to experiment with the new varieties of fruits as they come out, but it will pay in information; and besides that, it is their duty to do it. If the practical men in the business of growing fruit do not test the new things and prove their good and bad points how will they and all the rest know what they are? We need not hasten to try every novelty that is offered at big prices, but we should try to keep posted in a practical way about such varieties as give promise of being valuable. Once in a while there is one that will really pay to have. Above all, we will be doing good to the cause of horticulture by learning and making known the truth.

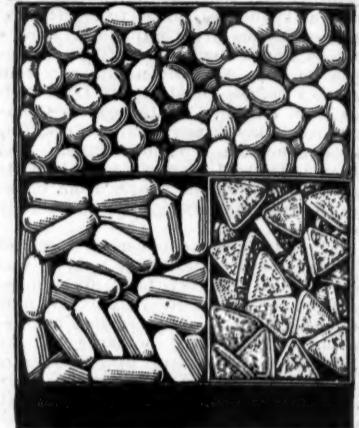
Dwarf Apples.—Will it pay to grow dwarf apple trees between standards, or in an orchard by themselves? I have only a small place and live near town.—W. P. B., New Jersey.

Reply.—Dwarf apple trees have been grown in this country for many years but so far they have not proved a success commercially. If one wants a very few trees on a town or city lot it might

A New Cure For The Kidneys, BLADDER, RHEUMATISM, Bright's Disease, Dropsey, Gravel, Back-ache, General Weakness, Nervous, Urinary, Liver and Stomach Troubles.

3 Remedies Free.

The Page Medicine Co. will send by prepaid mail, to any sufferer, whether man or woman, a complete test course of their three new remedies that relieve and cure all forms of Kidney, Bladder, Urinary Diseases, Rheumatism and their complications. No money is wanted—just write and tell them where to send them.



What The Free Package Contains.

One large course of **Formula A**—Reconstructs the broken-up tissue, cleanses all the pores, builds up and strengthens the weak and feeble Kidneys, re-establishing complete, natural, healthy function.

One large course of **Formula B**—Strains out of the blood and system uric acid and other kidney poison, the cause of Rheumatism. Urine is neutralized. Mucus, catarrhal accumulation passes off and out. The Bladder is healed, inflammation and irritation subside. Retention, Frequency (especially at night), painful and all urinary difficulties are permanently overcome. Gravel and granular deposits are dissolved, the urinary passages are restored to a healthy condition.

And a large course of **Formula C**—to immediately arrest the undermining consequent upon Kidney Diseases. Regulates the Liver, Stomach and digestion, relaxes constipated Bowels, purifies the Blood, nourishes tissue, bone, muscle and spine. Aches and pains are readily relieved. Is unfailing in toning the general system. Infuses life and vigor into every vital organ and strength all over the entire body. This is as exhaustive, thorough and complete treatment as was ever formulated for the cure of these destructive diseases. *There is not one sufferer in the whole world who can afford to leave these remedies untreated.* Write to the **PAPE MEDICINE CO.**, 66 E. 4th St., Cincinnati, O., telling where to send them, and the complete test course of each of the Formulas A, B and C, will be forwarded by prepaid mail without one cent of expense to you.

A WIFE'S MESSAGE

Cured Her Husband of Drinking.

Write Her To-day and She Will Gladly Tell You How She Did It.

My husband was a hard drinker for over 20 years and had tried in every way to stop but could not do so. I at last cured him by a simple home remedy which any one can give secretly. I want every one who has drunkenness in their homes to know of this and if they are sincere in their desire to cure this disease and will write to me, I will tell them just what the remedy is. My address is Mrs. Margaret Anderson, Box 421, Hillburn, N. Y. I am sincere in this offer. I have sent this valuable information to thousands and will gladly send it to you if you will but write to me to-day. As I have nothing whatever to sell, I want no money.

Enlarged Prostate Gland.—This is the cause of difficult and painful urination in men over fifty years old. The treatment is simple. No medicine necessary. A friend has been relieved at an expense of hundreds of dollars. We will send you his method and thirty years' experience on receipt of 25 cents. Address, Green's Fruit Grower, Rochester, N. Y.



Lines to My Wife on the 35th Anniversary of Our Wedding.

Do you mind, dear wife, the night we were wed—
How the sleet came down—how dark over-head—
How the old pines creaked in the breath of the East.
As our friends came out to the wedding feast?

Yes, drear was the night, but the hearth was warm.
And we heeded not the wrath of the storm.
What were it to us if the night were drear,
While the dear "Old Home" was a nest of cheer?
'Twas nothing to us—the shriek of the blast.
For our hearts beat high, and the hours flew fast.

Shall I ever forget my "Lily"—my bride—
As she came that night and stood by my side?
Came like a spirit direct from the skies
With Heaven's own blue still fresh in her eyes?
No, never, Dear One, "Till the sun grows cold
And the leaves of the Judgment-book unfold!"

—A. M. D.

From Mary Patton Hudson.
Written for Green's Fruit Grower.

A French "After Dinner."—Take two halves of light colored peach preserves, squeeze a few drops of lemon juice over them, dust with powdered sugar, and to each service a tablespoonful of fine brandy or whisky. It is delicious.

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Chicken Salad.—The chicken salad served by the majority of the best restaurants is made after this method. To one chicken, one and a half pound of veal, well cooked and chopped fine. If oil is not used, take one-fourth cup of fresh butter, the juice of one lemon and a small amount of vinegar, a little salt, cayenne pepper, one stalk of celery cut fine, and a half teaspoonful of celery seed. Place the salad or the table in a pretty dish garnished with celery, parsley leaves, hard boiled eggs, sliced, and a row of beets around the edge. Many housekeepers prefer to have the salad placed upon the table to be served by themselves.

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In some homes the kitchen only is used daily. A large portion of the house is unoccupied and closed, as is the parlor. This is a mistake. Throw open the whole house so that every member of the family can enjoy it. Even the attic may be made an attractive place for the children. Surround the home outside and inside with attractive things. Introduce as many games as possible, and as many musical instruments as you can afford. Subscribe for many periodicals. Spend how to make the home an ideal place of rest, refuge and enjoyment for yourself, your children, your friends and relatives.

An oven has been devised by an electrical expert of France which not only roasts and bakes, but turns the spit as well. The ordinary grate is turned into a small electric furnace, with heat radiating as from a coal fire. Sauce pans are electrically connected and the cook can boil, bake and roast without more trouble than simply switching on the current.

There is no place like home—according to the glowing description given by a man who is trying to dispose of it.

A Story of Gold.

Silas Marner had been harshly treated by the world and was embittered in spirit, thus he held himself aloof and hardened his heart. Instead of bestowing money upon churches and charity he hoarded it. At night he would barricade his doors and windows and uncover the opening in the floor in which he kept his wealth, and gloat over the gold as he moved it from hand to hand, or as he piled it up before him. One night he proceeded to enjoy the greatest pleasure of his life, the handling of his gold, but on opening the box he found that it was gone. Some one had broken into the house during his absence and had carried away every dollar. Silas Marner was almost crazy with grief at the loss of his wealth, which to him was everything. He rushed bareheaded and partially clothed out into the darkness not knowing why, or whence he was going. He wandered aimlessly about during the night and returning in the morning found seated in his house a little girl with golden hair. In his half crazed condition he thought of his gold when he saw the child's beautiful hair. The child was not frightened at his approach but seemed to welcome him. From that moment Silas Marner's life was changed. He had lost his gold but he had found something better; he had found something to work for, something to live for, he had gone out beyond himself, beyond his own selfish desires and was living for another. His sole aim in life now was to make this child happy. He sacrificed everything for her welfare. By hard work he earned money to give her an education and every advantage possible. Thus she grew into a beautiful woman, loved by all and he was beloved by her.

One day there appeared at the door of Silas Marner's house an elegant coach drawn by two beautiful horses driven by a liveried coachman. From the door of this coach stepped a well dressed man who, approaching Silas Marner, told him that the child he had cared for and loved was his own; he was her father. Silas carried this message to the girl who refused to leave him, whom she had found her true friend and benefactor.

On the grounds of Silas Marner was an abandoned well which had not been used for many years. For some reason it was decided to clear out the rubbish of this old well and when the work was well in hand there came up from the dark depths below portions of a skeleton of a man (the robber), and later there came up with the debris coins of gold. When the well was thoroughly cleared there lay upon the green grass all of Silas Marner's former wealth, every dollar had been reclaimed.

The women of America, unlike the women of other nations may follow any pursuit which they show themselves capable of following. To-day 5,000,000 of women are employed in the United States in 400 different wage-earning occupations. It is not necessary to argue as to whether women should be wage-earners; we accept the conditions, for the reason that women workers are everywhere about us, side by side with the men-workers, equally respected. To men and women alike work is a natural heritage. The field of work opened to women has no boundaries, there is a bewildering choice, yet a woman's principal work, or her means of earning a livelihood is not always left to her choosing. If it were, would she till the soil? For instance, take a small plot of ground and raise violet for the florists? flowers for seeds for the seedmen? mushrooms, vegetables, fruit, or poultry for the market? or would she undertake to run a dairy-farm, or to manage a Western ranch, raising grain or cattle?

Apples are useful in nervous dyspepsia; they are nutritious, medicinal and vitalizing; they aid digestion, clear the voice, correct the acidity of the stomach and are valuable in rheumatism, insomnia and liver troubles. An apple contains as much nutriment as a potato, in a pleasanter and more wholesome form.

Grapes dissolve and dislodge gravel and calculi and bring the stomach and bowels to a healthy condition.

Pie-plant is wholesome and aperient; is excellent for rheumatic sufferers, and useful for purifying the blood.—House-keeping.

A glue ready for use is made by adding to any quantity of glue common whiskey, instead of water. Put both together in a bottle, cork it tight and set it for three or four days, when it will be fit for use without the application of heat.

"No," said Farmer Corntassel to the summer boarder, "I don't believe all I see in the newspapers."

"Why not?"

"Well, you see, I've advertised all the comforts of home a few times myself."—Hoboken Observer.

EARN \$100.00 IN GOLD BY HELPING TO EDIT

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EACH COMPETITOR IS SURE TO EARN SOMETHING



Sampling Fruit is a pleasant pastime. Have you fine fruit to sample on your place?

in postage stamps, coin or postal money order (no personal check accepted), and this with the 20 cents allowed you for the clipping you send will pay for your subscription to GREEN'S FRUIT GROWER one year without premium.

The \$100.00 Gold Prize

Will be given to the person sending us the clipping which is deemed best, that is the clipping that is most helpful, most suggestive, or the one which appeals strongest to the hearts of mankind. "All the world is kin." Clipping may be poetry, story, essay, or helpful suggestions on any topic.

Prof. H. E. Van Deman

Our Associate Editor

FORMERLY U. S. POMOLOGIST,

will be asked to decide which clipping is best.



This Contest Closes Soon

Do not delay in sending in your offerings. The earliest ones received on this offer will get GREEN'S POULTRY Book, by mail, for promptness. Remember that every subscriber who responds is sure of the 20 cents reward, and some one of the number will receive \$100.00 in gold.

Use the coupon attached below. Address

Green's Fruit Grower,

Rochester, N. Y.

To the Publishers of "GREEN'S FRUIT GROWER," Rochester, N. Y.

I enclose clipping (selection or scrap) from (name paper or book.) I also enclose 30 cents. This pays for one subscription to GREEN'S FRUIT GROWER one year, on your offer to allow 20 cents for the clipping. This also entitles me to \$100 in gold if the clipping I send is deemed the best of those sent in.

Name,

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Post Office,

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State.

THIS WILL INTEREST MANY.
F. W. Parkhurst, the Boston publisher, says that if any one afflicted with rheumatism in any form, or neuralgia, will send their address to him at 304-17 Winthrop Building, Boston, Mass., he will direct them to a perfect cure. He has nothing to sell or give; only tells you how he was cured after years of search for relief. Hundreds have tested it with success.



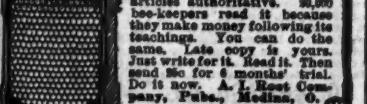
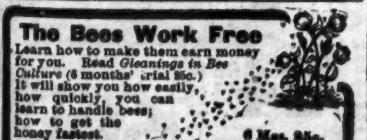
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Endorsed by U. S. Dept. of Agric. and State Experiment Station. This soap kills all insects and all insecticides. 50-lb. kegs, \$2.50; 100-lb. kegs, \$4.50; half barrel, 75-lb. kegs, \$3 per lb.; barrel, 425-lb. kegs, \$12. Send for booklet. JAMES GOOD, Original Maker, 929-41 N. Front Street, Philadelphia, Pa.



Boomer & Boschart Press Co., 347 W. Water St., Syracuse, N. Y.



Good Cheer Department.

THE BLESSING OF A FRIEND
Commend me to the friend that comes
When I am sad and lone,
And makes the anguish of my heart
The suffering of his own;
Who coldly shuns the glittering throng
At pleasure's gay levee,
And comes to gladden a somber hour
And give his heart to me.
He hears me count my sorrows o'er,
And when the task is done
He freely gives me all I ask—
A sigh for every one.
He cannot wear a smiling face
When mine is touched with gloom;
But like the violet, seeks to cheer
The midnight with perfume.
He flies not with the flitting stork,
That seeks a Southern sky,
But lingers where the wounded bird
Hath laid him down to die.
Oh, such a friend! He is in truth,
Whate'er his lot may be,
A rainbow on the storm of life.
An anchor on its sea.
—Springfield Republican.

Now rest, my heart!
Canst thou by fretting keep the day
From sleeping in the arms of night,
Or make one sunbeam longer stay?
Or bring one clouded star in sight?
Thou canst not keep life's pain away
From that soul dearer than thine own,
But thou canst trust each sorrow may
Bring blossoms where thorns might have
grown;
Now rest, my heart!

Now rest, my heart!
Two angels wait to give thee peace;
Remembrance with past blessings brings
Assurance that good will not cease;
Forgetfulness hath healing wings
These will thy true companions be,
And hearts with burdens more than thine
May feel the love that shelters thee,
And seek the rest that is divine;
Then rest, my heart!

—Myra Goodwin Plantz.

Say not "welcome" when I come,
Say not "farewell" when I go,
For I come not when I come
And I go not when I go.

For a welcome ne'er I'd give you
And farewell would never say,
In my heart I'm always with you,
Always will be—every day.

—From the German.

The keynote of life's harmony is sacrifice,
Not twice, or thrice,
Beneath each sun will souls bow down
To lay the crown
Of will, or time, beneath strange feet,
But many times, that life's chords may be
sweet.

Who sacrifices most
Drinks deepest life's rich strain, counting
no cost,
But giving self on every side,
Daily and hourly, sanctified
But in the giving.

Just for To-day.—There are people who look out with gloomy eyes upon their life work. But the question is, can I manage the work before me to-day? If I can I should do this day's work and not worry about other days' work that are to come. I should do the work of to-day believing that the rest I will get to-night will prepare me for another day's work, and thus the days and the years go on. But if I am planning to-day for the work of 365 days, or the work of 25,000 days which I may live, I will become as tired as did the old clock that on estimating the number of times it had to tick during the year stopped short in its labors.

Have Patience.—Editor Green's Fruit Grower: We are becoming more perfect but by contrast seem to be growing more hideous. We need to observe more closely and not to form hasty and inaccurate opinions. Civilization is not ephemeral; it is the result of unnumbered ages of growth and development. It has not yet reached its climax. It will not recede while there is a chance for improvement.

Have patience. Character changes, but slowly. Man's progress to his present estate has been slow and tortuous, and it is probable that future progress will also be slow, "slow but sure," but as the avalanche gathers speed as it proceeds, so human progress will go on with constantly increasing rapidity. Its course cannot be changed, nor can it be much delayed; it is irresistible, as certain as the rising and setting of the sun, or the succession of seasons. Don't be so pessimistic. Have more faith in the triumph of right, in the future of man. Conditions are bad to-day; they were worse in the past; they will be better in the future. The world, while there is a great deal of room for improvement, is not so bad after all. "It's a world full of hearts," said Doctor Judd, "and a serious world, with all its folly; and it is a world on which the sun never rises but it looks upon a thousand bloodless battles that are some set-off against the miseries and wickedness of battle-fields; and it is a world we need be careful how we live. Heaven forgive us, for it is a world of sacred mysteries, and its Creator only knows what lies beneath the surface of His highest image!"—George B. Ferris.

"Ol' Nutmeg's" Sayings.

BY JOE COKE.
Written for Green's Fruit Grower.



Settin' on a nail kaig won't hol' down the price uv nails.

Farmin' would pay better if farmers would pay more 'tention tew farmin'.

The milk uv human kindness would go further ef it warn't skimmed so of'n.

A ruster is a mighty proud bird tell one comes erlong that is prouder.

It is better tew buy a pig in a bag than tew git nothin' at all for your money.

The av'rage hoss ain't so 'feared uv the autermobile ez he is uv losin' his job.

They's nothin' that will show up human natur' like a good, clus game uv croquet.

It's a good idee tew lay up somethin' fur a rainy day ef it's nothin' more than an ol' umbrella.

Hens wouldn't wander so fur frum home ef the ol' ruster didn't coax 'em erlong.

Note the way a dorg hengs tew a root an' yew'll see how men succeed in life.

What man hez done man may dew don't hev any connection with the man who hez been done.

If yewr hens git their livin' on some one else's land yew orter hand over a dozen uv aigs once in a while.

D. L. Dunlap of Ohio asked about the origin of seedling fruits and whether the size, flavor and productiveness could not be improved by cultivation, fertilization and by pruning and thinning.

Reply: Yes, improvements can be made in fruits by cultivation, enriching the soil, by pruning and thinning, but why should we bother with naturally poor varieties and attempt to improve those by these methods when we could get so much better results from the best varieties? The tendency of seedlings is to retrograde, or to produce poorer fruits than the parents. Possibly one in a thousand or ten thousand seedlings might produce larger and better fruit.

Eva—Your father doesn't object to that young man coming up and sitting every other evening, does he?

Edna—I should say not. He sent up a ton of coal and alway brings a pocket electric lamp that sufficiently lights the parlor without gas.—Chicago "News."

THE "LOU DILLON" TANDEM GARDEN CULTIVATOR

The greatest "Time saving" garden tool ever invented. Built for **MORE SPEED with BETTER WORK**. Tines changed from 8-inch to 16-inch row (or to any width between) **IN AN INSTANT**. Shallow, medium, or deep cultivation obtained from a **SIMPLE MOVE-MENT** of the foot. Works the soil at an **EVEN DEPTH** all down the row. No hit and miss, and **KREPS GOING**. At least **ONE-THIRD** quicker than any other garden cultivator on earth. Easier to push than a lawn mower. A woman can push it. No gardener can afford to be without one of our time savers. Simple. Built for the **Big Gardener** and the **Little Gardener**. The **Strawberry Grower's** best friend. Used for any garden crop. **No wrench needed**. Ask for descriptive catalog and terms.

THE SCHAIBLE MFG. CO., DEPT. B, ELYRIA, OHIO.



A SAVINGS BANK ON WHEELS

\$10.30 NEW STEEL RANGE.



FOR \$10.30 we will sell this new, handsome, steel range with reservoir of water, as illustrated, a trifle extra. For full particulars, how we make our steel ranges thicker, heavier, stronger, handsomer and better than any other ranges made in the U. S. for a three month free trial offer, safe delivery guarantee, pay after received terms; for picture of our foundry, the largest steel foundry in the world, cut out of our Free Range Catalogue. Free Stove Catalogue of everything in steel and cast iron stoves and ranges will be mailed at once. With our Free Stove Catalogue you get the most astonishing stove offer ever heard of.

Address **SEARS, ROEBUCK & CO., CHICAGO**.

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BIG MONEY Made at Home Weaving Rugs and Carpet



\$4 a Day Easily Made

We start men and women in a profitable business on a small investment. Send for our book for prices and **Less Books**.

REED MFG. CO.

Box T, Springfield, Ohio



\$39.50 BUYS THIS

We give you dealer's profit. Ship on approval. Days free trial. Send for our book containing 150 wonderful designs.

UNION BUGGY CO.

Dept. 653 Pontiac, Mich.

Loose False Teeth MADE PERFECTLY TIGHT

For ten years we have been using a simple, harmless preparation which will make any upper plate tight. Send for circular. **Dental Specialty Co.**, 32 Main St., Mt. Morris, N. Y.



We pay the freight. This elegant full size Oak or Mahogany Rocker will take a place in the home of every one who gives us an order. To every one who gives us an order, you are to give free of charge a beautiful China Fruit Set, 7 pieces, all Gold and Silver plate. We will give you a free catalog of our Rockers and other furniture. We will take orders this way. No money required in advance. Simply send your name and address & we will send you our prices, order book, etc. We will allow you time to deliver the Rocker and other furniture. You run no risk, as we pay the freight, and will take your Rocker back if you are not satisfied.

—KING MFG. CO., 764 King Building, St. Louis, Mo.



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BUGGIES Only \$10. Cash.

Balance \$5. a month. Warranted for 3 years.

SURREYS Only \$25. Cash.

Balance \$7. a month. Warranted for 3 years.

FARM WAGONS Only \$15. Cash.

Balance \$5. a month. Warranted for 3 years.

We trust honest people located in all parts of the world. Cash or easy monthly payments. Write for free catalogue.

CENTURY MFG. CO., Dept. 296 East St. Louis, Ill.

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Home Life.—I know of no subject of greater importance than that of home and home life. Almost everything of interest to the individual, to the nation and to the world is bound up in home life. If the home life of a nation is vicious, or not what it should be, the nation can never rise to an exalted position. Home to many people is simply a place where they eat and sleep. Home should be a place where the father, mother and children can enjoy themselves better than any other place on earth. The attractive feature of most homes is that there is no formality, no stiffness, no forms of etiquette to interfere with comfort. Possibly in some homes there is not formality enough. No home is complete without children. It is sad for parents whose homes have been filled with the laughter of many children to look forward to the time when these children will be scattered over the world and the old people left alone, but even then they can keep their home bright. If they cannot do so by making it a refuge for relatives who have been distressed they can adopt needy children and thus brighten their homes.

In some homes the kitchen only is used daily. A large portion of the house is unoccupied and closed, as is the parlor. This is a mistake. Throw open the whole house so that every member of the family can enjoy it. Even the attic may be made an attractive place for the children. Surround the home outside and inside with attractive things. Introduce as many games as possible, and as many musical instruments as you can afford. Subscribe for many periodicals. Study how to make the home an ideal place of rest, refuge and enjoyment for yourself, your children, your friends and relatives.

An oven has been devised by an electrical expert of France which not only roasts and bakes, but turns the spit as well. The ordinary grate is turned into a small electric furnace, with heat radiating as from a coal fire. Sauce pans are electrically connected and the cook can boil, bake and roast without more trouble than simply switching on the current.

There is no place like home—according to the glowing description given by a man who is trying to dispose of it.

A Story of Gold.

Silas Marner had been harshly treated by the world and was embittered in spirit, thus he held himself aloof and hardened his heart. Instead of bestowing money upon church and charity he hoarded it. At night he would barricade his doors and windows and uncover the opening in the floor in which he kept his wealth, and gloat over the gold as he moved it from hand to hand, or as he piled it up before him. One night he proceeded to enjoy the greatest pleasure of his life, the handling of his gold, but on opening the box he found that it was gone. Some one had broken into the house during his absence and had carried away every dollar. Silas Marner was almost crazy with grief at the loss of his wealth, which to him was everything. He rushed bareheaded and partially clothed out into the darkness not knowing why, or whence he was going. He wandered aimlessly about during the night and returning in the morning found seated in his horse a little girl with golden hair. In his half crazed condition he thought of his gold when he saw the child's beautiful hair. The child was not frightened at his approach but seemed to welcome him. From that moment Silas Marner's life was changed. He had lost his gold but he had found something better; he had found something to work for, something to live for, he had gone out beyond himself, beyond his own selfish desires and was living for another. His sole aim in life now was to make this child happy. He sacrificed everything for her welfare. By hard work he earned money to give her an education and every advantage possible. Thus she grew into a beautiful woman, loved by all and he was beloved by her.

One day there appeared at the door of Silas Marner's house an elegant coach drawn by two beautiful horses driven by a liveried coachman. From the door of this coach stepped a well dressed man who, approaching Silas Marner, told him that the child he had cared for and loved was his own; he was her father. Silas carried this message to the girl who refused to leave him, whom she had found her true friend and benefactor.

On the grounds of Silas Marner was an abandoned well which had not been used for many years. For some reason it was decided to clear out the rubbish of this old well and when the work was well in hand there came up from the dark depths below portions of a skeleton of a man (the robber), and later there came up with the debris coins of gold. When the well was thoroughly cleared there lay upon the green grass all of Silas Marner's former wealth, every dollar had been reclaimed.

The women of America, unlike the women of other nations may follow any pursuit which they show themselves capable of following. To-day 5,000,000 of women are employed in the United States in 400 different wage-earning occupations. It is not necessary to argue as to whether women should be wage-earners; we accept the conditions, for the reason that women workers are everywhere about us, side by side with the men-workers, equally respected. To men and women alike work is a natural heritage. The field of work opened to women has no boundaries, there is a bewildering choice, yet a woman's principal work, or her means of earning a livelihood is not always left to her choosing. If it were, would she till the soil? For instance, take a small plot of ground and raise violet for the florists? flowers for seeds for the seedmen? mushrooms, vegetables, fruit, or poultry for the market? or would she undertake to run a dairy-farm, or to manage a Western ranch, raising grain or cattle?

Apples are useful in nervous dyspepsia; they are nutritious, medicinal and vitalizing; they aid digestion, clear the voice, correct the acidity of the stomach and are valuable in rheumatism, insomnia and liver troubles. An apple contains as much nutriment as a potato, in a pleasanter and more wholesome form.

Grapes dissolve and dislodge gravel and calculi and bring the stomach and bowels to a healthy condition.

Pie-plant is wholesome and aperient; it is excellent for rheumatic sufferers, and useful for purifying the blood.—House-keeping.

A glue ready for use is made by adding to any quantity of glue common whiskey, instead of water. Put both together in a bottle, cork it tight and set it for three or four days, when it will be fit for use without the application of heat.

"No," said Farmer Corntassel to the summer boarder, "I don't believe all I see in the newspapers."

"Why not?"
"Well, you see, I've advertised all the comforts of home a few times myself."—Hoboken Observer.

EARN \$100.00 IN GOLD

BY HELPING TO EDIT

GREEN'S FRUIT GROWER

EACH COMPETITOR IS SURE TO EARN SOMETHING



Sampling Fruit is a pleasant pastime. Have you fine fruit to sample on your place?

in postage stamps, coin or postal money order (no personal check accepted), and this with the 20 cents allowed you for the clipping you send will pay for your subscription to GREEN'S FRUIT GROWER one year without premium.

The \$100.00 Gold Prize

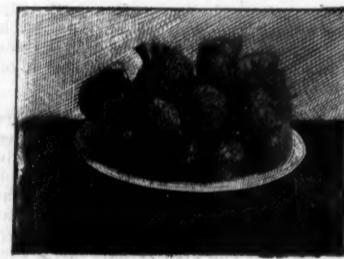
Will be given to the person sending us the clipping which is deemed best, that is the clipping that is most helpful, most suggestive, or the one which appeals strongest to the hearts of mankind. "All the world is kin." Clipping may be poetry, story, essay, or helpful suggestions on any topic.

Prof. H. E. Van Deman

Our Associate Editor

FORMERLY U. S. POMOLOGIST,

will be asked to decide which clipping is best.



This Contest Closes Soon

Do not delay in sending in your offerings. The earliest ones received on this offer will get GREEN'S POULTRY Book, by mail, for promptness. Remember that every subscriber who responds is sure of the 20 cents reward, and some one of the number will receive \$100.00 in gold.

Use the coupon attached below. Address

Green's Fruit Grower,

Rochester, N. Y.

To the Publishers of "GREEN'S FRUIT GROWER," Rochester, N. Y.

I enclose clipping (selection or scrap) from (name paper or book.) I also enclose 30 cents. This pays for one subscription to GREEN'S FRUIT GROWER one year, on your offer to allow 20 cents for the clipping. This also entitles me to \$100 in gold if the clipping I send is deemed the best of those sent in.

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Name,

Post Office,

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The Best Investment FOR LARGE PROFITS

Is Good Mining Stock Bought Right

Development work in Five Bears Mine now shows very large ore bodies and we predict a second Homestake.

The company owns outright ten rich properties, including mill, in Plumas County, California. Money is wanted to increase capacity of plant and for further development work.

For a short time only we can offer Five Bears Mining Co. stock at \$1.00 per share, par value \$1.00. Full paid, non-assessable. Do not wait. Now is the time before the stock advances to 25c. or higher, tomorrow may be too late.

\$15 WILL BUY 100 SHARES.
So buys 200 shares—\$150 buys 1,000 shares. Take our advice and buy all you can.

Monthly Payments if Desired.

We have personally examined the entire property and honestly believe it will prove a great dividend-paying mine, in which case a small investment today may make you rich, at least big profits. Write for Five Bears Prospectus, Map and latest reports from the mine. Booklet "How to Judge Stocks," free. Address,

UNION SECURITY CO.
471 GAFF BLDG., CHICAGO, ILL.



ELECTRIC

At Spraying Time

Distributing fertilizers, fruit gathering, all orchard work, you'll save time and money by using the

ELECTRIC HANDY WAGON

Nothing could be better suited to the fruit grower's purposes. Its broad tires will not rut. That means light draft and you get the low, easy lift. Metal wheels, good for 4,000 lbs. The wagon that lasts. Write for free catalogue.

ELECTRIC WAGON CO., Box 81, Quincy, Ills.



Success

Knapsack Sprayer

Knapsack and Bucket Sprayer Combined. Brass pump with bronze ball valves, 5 gal. copper tank, mechanical agitator; pump worked with either hand. Arranged for easy carrying and handling.

WE MAKE 20 STYLES SPRAYERS.
Hand, Bucket, Knapsack, Barrel, Field, Power. We meet all wants. Send for free catalog.

THE DEMING CO., SALEM, OREG.
HENRION & HORNELL, Western Agts., Chicago.



FARMERS SAVE

TIME & MONEY

BY DOING
BLACKSMITHING
AND REPAIRING
AT HOME.

ANY FARMER CAN START a welding fire in two minutes and do repairing at home. **WE GUARANTEE** our steel forges to equal in every way any old forge and to be as represented or money refunded.

Special Introductory Prices. One forge complete \$4.00, or 1

1/2 of forge and anvil with anvil all for \$3.00. Our forges have been used and endorsed by farmers in every state and Canada for the last 10 years. Write for free catalog and testimonials.

C. A. S. FORGE WORKS, SARASOTA, MICH.

\$10.00 For A

MACHINE

That will fence at cost of wire only. Saves money, fast buys enough to build Hard Steel Wire for yards of fence. Agents wanted. Catalogue free.

Carter Wire Fence Machine Co., Box 85, Mt. Sterling, Ohio.

DIRECT TO YOU

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We are not sothers or members of other people's goods to build vehicles in our own factory. By buying direct from us you get factory prices with no middlemen's profit. You get every thing in latest, best and most durable. Our large free catalogue tells all about our no money with order plan, freight free, 3 years guarantee and how we ship anywhere.

ON 30 DAYS' FREE TRIAL.

We make 160 styles of vehicles from \$0.50 up and 100 styles of harness from \$0.50 up. You can't buy a vehicle or harness under \$0.50 and you have heard from us. Write today for Free Money Saving Catalogue.

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NEW INVENTION!

Write for new booklet, Special Offer this month. Our new Quaker Folding Vapor Bath Cabinet, finest product. Every body who has used it enjoys it. It is made for men, women, all the marvellous medicinal invigorating, curative effects of the famous Turkish Baths. Open the 6,000 skin pores, purifies the entire system. Best Hot Springs. Prevents disease. Saves Dr. Bills. Cures thousands. Nature's dressing salve, remedy for colds, grip, rheumatism, labor, fever, sore eyes, ear, nose, etc. Kidney trouble, children's diseases and female ills. Guaranteed. Sent on 30 days' trial. \$100 to \$2000 a month, minimum, general agents. 100% profit. **WORLD MFG. CO., 82 WORLD BUILDING, CINCINNATI, OHIO.**

Please mention Green's Fruit Grower.

Kansas and Nemaha. Golden Queen is by far the best of the cream colored varieties. For the family garden especially good results have been obtained from these varieties of blackberry: Agawam, Early King, Erie, Snyder and Taylor. Lucretia is the only dewberry recommended for general cultivation.

The Kansas black raspberry has popularized itself in Illinois where it has been given fair trial. The Cuthbert red raspberry is always a stand-by. Nothing is better than the berry that pleases the grower best. If market peculiarities are to be considered this might not be so. But tastes do not widely differ and it is generally the case that the berry that suits the grower pleases the consuming public.

CURRENT CULTURE ON THE FARM

A fairly heavy soil is best for currants, says George T. Powell, New York, in American Agriculturist. They should be set five feet each away. Cut into the old bearing branches every two years. The best varieties are Fays, La Versaillaise, Pomona and Wilder. White currants are excellent for table use, but they do not sell well. Give clean culture up to about June 25th, then seed with 12 pounds of crimson clover per acre. Plow this under early in the following spring and cultivate again as before, using the clover annually. This will keep the soil in excellent condition and give fruit of the finest quality.

The fruit may be shipped in two-pound grape baskets, or in strawberry quarts. If the currant worm makes its appearance, spray promptly with 2 1-2 pounds arsenate of lead in 50-gallons bordeaux. The foliage is attacked by a rust or fungus and the bordeaux is the thing to use. The usual yield is about four to ten quarts to the bush, but by selection of cuttings from the strongest plants we have picked 16 quarts from a bush. The currant is a good fruit to grow, sells usually for 4 to 6 cents a quart, and has less enemies than most fruits.

Blackberries Bear Fruit Twenty-five Years.—We wish to give a practical illustration of the length of time blackberries may be successfully kept in fruiting, says Ohio Farmer. About twenty-five years ago the writer's father planted 100 Snyder blackberry plants, and they were planted and given about the care that we have described. The second year after planting, the entire patch was mulched with straw and from that time was neither cultivated nor plowed, not even worked with a hoe. As this mulch rotted a new supply of straw was applied thus keeping it covered the entire time. What few weeds came through this mulch were hand pulled as they appeared. With this simple care this same hundred plants have borne a crop each year until the present time without a single case of failure, and the plantation stands to-day apparently in as good condition for bearing a crop next year as it did when two years old.

The yield from this 100 plants has been from five bushels to ten bushels annually since coming into bearing, the first few years the fruit was sold at \$4 per bushel, as the cultivated blackberry was at that time a rare thing in this section. Of late years our local markets take our crop at \$2 to \$3.20 per bushel, \$3 being a fair average price for good berries.

This little patch of blackberries stands by itself in the corner of a field and will be preserved as long as possible, as it was the beginning of the fruit business that we are now carrying on; and it stands as an example of what may be done with the blackberry, also as an example of establishing a good paying business from a small beginning.

Small Fruits in the Garden.—Every garden should have a strawberry patch, and also raspberry, blackberry and grape vines, as well as currant and gooseberry bushes. It is the variety in the garden that makes it so useful, and considering the vast amount that may be grown on a small area, provided it is made rich and well cultivated, it is the most profitable portion of the farm. Every corner should have a vine or bush, while the fences may be made to serve as shelters and supporters. Be sure that all small fruits are so placed that they may secure plenty of sunlight and heat. Fruit trees, vines and bushes may be set out in the fall, if mulched in the cold sections, but in the South no such protection is needed.

Why Not?—If there is no one growing small fruits for market in your place, why don't you do it? It is a paying business and clean and healthful. You can make considerable money in raising berries for your market, if you would go at it. There is not another occupation that I know of which yields as much clear profit that can be started on so small a capital. And, too, there is not another business so easily learned.

Fruit and Ornamental Trees, Currant Bushes and Grape Vines

THAT MUST BE SOLD TO CLEAR THE GROUND.

Here is a bargain for everyone. We have a surplus of these items. Send us a list of what you need, we can save you money. Our prices are lower for trees, vines, and bushes **TRUE TO NAME** than those of other reliable firms. Before sending an order elsewhere let us tell you what our prices will be. These are the best trees and plants we have ever grown.

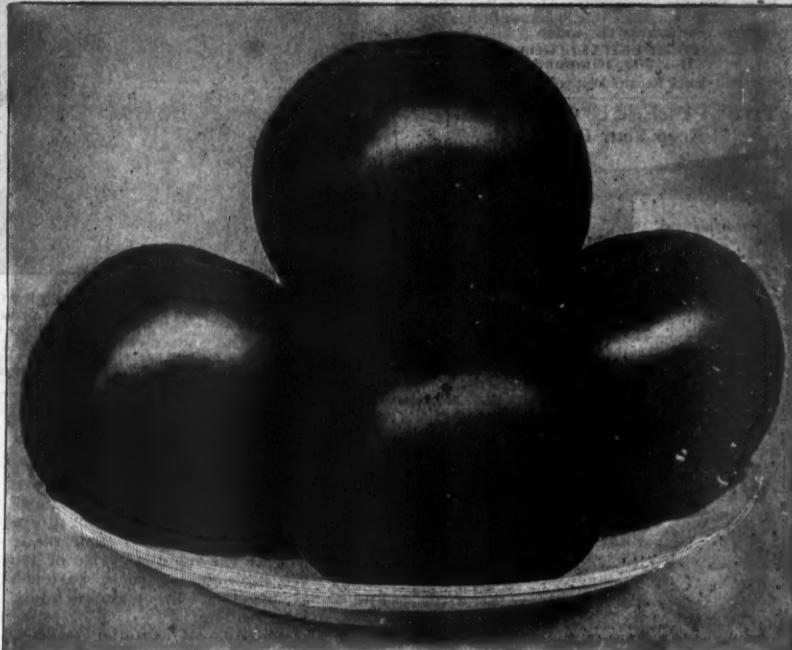


PLATE OF RHODE ISLAND GREENING APPLES.

OUR LIST OF APPLE TREES contains the following valuable varieties: Baldwin, Ben Davis, Banana, American Blush, Bismarck, Duchess, Fanny, Grimes' Golden, Hubbardston, Jonathan, King, Lord Nelson, Maiden's Blush, Northern Spy, R. I. Greening, Wagener, Wealthy, Wolf River; Yellow Transparent, and many others.



SHOWING PRODUCTIVENESS OF C. A. GREEN NEW WHITE GRAPE.
(From a photograph.)

Large Profits in Growing Grapes.

One of the enterprising grape growers of the Lake Keuka region gathered this season from three acres of vineyard, nine and one-half tons, which he sold at \$80.00 per ton.

A surplus of grape vines in the following varieties: Chas. A. Green (new), Concord, Verdon, Niagara, Diamond, Campbell's Early, Moore's Early, and others.



Currants Will Lift Mortgages.

A field of currants would be a profitable investment for you, reader. We have a surplus of Red Cross currant, which is not surpassed in size, productivity and vigor by any currant. At Green's fruit farm we have half an acre planted to Red Cross from which we sold 6,036 quarts. Our currants last year, 1904, averaged 8 cents a quart. This would give us an income of \$482.88 from this small planting; and for the season of 1903, from the same field, the receipts were \$537.00. We have all of the best varieties to offer: Red Cross, Pay's Cherry and Champion. Our prices are far the lowest and our plants so much better than those of other firms, that there is no comparison. We can save you money on anything you need to plant in Grapes, Currants, Trees, Plants and Vines. Send us your list of wants.

BETTER THAN EVER. Our Spring, 1905, Catalogue is ready for mailing. If you have not received it, send for it at once by postal card; it is free for the asking and contains valuable information as well as a complete list of varieties, all of which are offered at low prices.

Green's Nursery Co., Rochester, N. Y.



DISC HARROW

Best tool for small fruits, young orchards, and truck farms. Four sizes for orchards and farms. Reversible extension. Also Reversible Disc Plows and Double Action Harrows. For circulars, etc., write

E. G. MENDENHALL, General Agent,
Box 303, Kimball, Ill.

Full line of Repairs kept on hand.

THE PERFECT CAN OPENER.
Keep Your Eye on Me.



Something new; the very latest out; up-to-date; always ready for work; quick in operation; adjustable; self-supporting. Patented May 27, 1905. Patent screw disk; coring point opener, turning freely on top of disk; turn edge of the down; right and left hand cutter. Made of the best steel. Postpaid 25 cents. Agents wanted. Manufactured by

E. C. OVERS, Ashland, Ohio.

LADY AGENTS WANTED.
Active, reliable lady agents to sell our perfect fitting, custom-made petticoats. Excellent return. Address:

PARISIAN CO., Box 974, BOSTON, MASS.

WIRE-\$1.40 Per 100 Lbs.

Smooth galvanized wire, put up 100 lbs. to a hale, lengths running up to 100 ft. 16, 18 gauge, per 100 lbs. \$1.40. Wire for picture frames, 100 lbs. \$1.40. Fence wire, per 100 lbs. \$1.40. Wire nails, mixed in a bag, per 100 lbs. \$1.40. Barbed wire, per 100 lbs. \$1.40. Poultry netting, etc., wire, etc., allow prices. Ask for Catalogue No. L-69 on merchandise of all kinds from Sheriff and Brothers' sales.

CHICAGO HOUSE WIRING CO., West 55th & Dearborn, Chicago.

GINSENG!

THE GREAT CHINESE ROOT.

Immensely profitable. \$6 to \$12 a pound. Illustrated circular, fullest instructions, best published, with prices of seeds and plants, free. Buy direct, and save 50 to 100 per cent. in prices. Mention this paper.

P. F. LEWIS, JAMESTOWN, N. Y.

HALL'S IMPROVED Second-Crop Potatoes, the best NEED everywhere. 48 varieties of Drawberry plants; good to grow. American Roots, Seed Corn, etc. Descriptive Catalogue FREE. J. W. HALL, Marion Station, N. Y.

A COPY OF VICK'S 1905 Garden and Floral Guide Mailed FREE on Request
JAMES VICK'S SONS, 213 MAIN ST., ROCHESTER, N. Y.

INTRODUCTORY OFFER

In order to introduce our seeds to those who have never used "HASKINS' BEET," we will send one packet of each of the following grand varieties:

Seeds—Crosby's Early; Cabbage—Warren Stone Mason; Carrots—Danver's Half Long; Cucumber—Long Green; Lettuce—White; Onion—White; Turnip—Purple Top; Turnip—Imperial Purple Top; Beets—Early Scarlet Turnip; Sweet Peas—Finest Mixed.

Tea packets for only 10¢, and each customer gets our illustrated catalogue for 1905. Cut out this coupon and mail with to, to W. J. HASKINS & CO., 163 Court St., Binghamton, N. Y.

5,000,000 STRAWBERRY PLANTS

of all leading varieties, also new varieties. Read what a customer says of our plants: "I received the plants in good shape; they were the best plants I ever got; your way of packing is good; thanking you for your liberal amount of plants. I remain your customer, Jas. D. Clark, Mateo, Pa." We guarantee safe delivery and satisfaction. Wholesale and retail illustrated catalogue free. Write to-day and save money. Address W. S. Perdue & Sons, Box 101, Parsonsburg, Maryland.

WOMEN TO SEW AT HOME \$9 per week. Materials sent everywhere free, steady work, plain sewing only. Send addressed envelopes for full particulars.

BU POST, Dept. F. A. 10th St., Philadelphia, Pa.

OLD RAGS colored with "PERFECTION" Dyes make artistic and beautiful rugs and carpets. The "PERFECTION" are the FASTEST dyes made against the sun and acids. They are easily made to any color and color DOUBLE DYE. THE RANGE OF old kinds. To enable you to tell them we will send six packages, any color, for 10 cents, three for 25 cents or one for 50 cents. Catalogue of 70 popular colors with Dyed Book and Shade-Cards sent free.

W. CUSHING & CO., Dept. S, Foxcroft, Me.

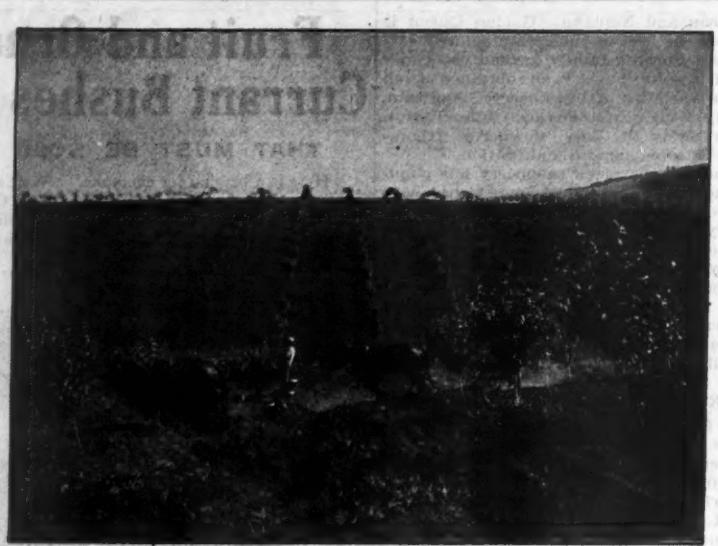
The Perfection Sprayer

Sprays Everything, trees, potatoes, etc. Furnished complete with cart and barrel. Combined hand and horse power. Don't buy until you get my catalogue—free.

THOMAS PEPPLER
Box 15, HIGHTSTOWN, N. J.

LION BRAND
GRAFTING WAX

Price of Grafting Wax, 1/2 lb. postpaid, 25 cents
1 lb. 40 cents, postpaid; 25 cts. per lb. not prepaid.
GREEN'S NURSERY CO., Rochester, N. Y.



AN INSPIRING SCENE FOR A TREE PLANTER.—The above is from a photograph of a Hood River, Oregon, plum orchard embracing perhaps several hundred acres. Our readers have heard much of the Hood River fruit growing section; it is a marvelous country and the Oregon people are a wonderful people. What is more promising than a young orchard like this? It tells the story of great reward for earnest endeavor. Every tree; every twig, every leaf in this orchard is full of promise. Who would not like to be the owner of such an orchard? The photograph was sent us by S. B. Page.

SOME UP TO DATE FASHIONS.

For the convenience of the ladies in the homes of our subscribers we have made arrangements with one of the largest and most responsible manufacturers of patterns to offer some of their reliable patterns at the nominal price of 10c each. We have tested these patterns and take pleasure in recommending them to our readers.

4914—The quantity of material required for the medium size is 4 1/4 yards 21, 3 1/4 yards 27 or 2 1/2 yards 44 inches wide.

4915—The quantity of material required for the medium size is 4 yards 21 inches wide, 2 1/4 yards 27 inches wide or 2 1/2 yards 44 inches wide.

4916—The quantity of material required for the medium size (14 years) is 5 1/2 yards 27, 3 1/2 yards 44 or 3 1/2 yards 52 inches wide with 1 1/2 yards 21 inches wide for bands.

4917—The quantity of material required for the medium size is 4 yards 21, 3 1/4 yards 27 or 2 1/2 yards 44 inches wide.

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4953—The quantity of material required for the medium size is 5 yards 21, 3 1/4 yards 27 or 2 1/2 yards 52 inches wide with 1 1/2 yards 21 inches wide for bands.

4954—The quantity of material required for the medium size is 4 yards 21, 3 1/4 yards 27 or 2 1/2 yards 44 inches wide.

4955—The quantity of material required for the medium size is 5 yards 21, 3 1/4 yards 27 or 2 1/2 yards 52 inches wide with 1 1/2 yards 21 inches wide for bands.

4956—The quantity of material required for the medium size is 4 yards 21, 3 1/4 yards 27 or 2 1/2 yards 44 inches wide.

4957—The quantity of material required for the medium size is 5 yards 21, 3 1/4 yards 27 or 2 1/2 yards 52 inches wide with 1 1/2 yards 21 inches wide for bands.

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4984—The quantity of material required for the medium size is 4 yards 21, 3

Under the Snow.

Written for Green's Fruit Grower by Marvin L. Piper.

Under the snow the flowers fair
In little beds are sleeping,
While far above the King of day
His faithful watch is keeping.

When warmth comes back to the frozen
north
The lovely springtime bringing,
The flowers will wake and bloom again,
Where tender blades are springing.

Under the snow the dear home flowers
In narrow beds are sleeping,
But over all the King of Kings
A loving watch is keeping.

And when the King comes back to earth,
Eternal springtime bringing,
Our friends will wake and live again,
Where angel choirs are singing.

Farmer's Boys as Motormen and Conductors.

A subscriber to Green's Fruit Grower writes that he and his friend are about to leave the farm which they love, for the city to become motormen or conductors on a street-car line. They expect to get \$60 a month and he says they are going to stick to it till they have made enough money to start at farming. They are figuring on saving \$400 a year each.

Possibly I know more about the chances of a farmer's boy as motorman or conductor on street-cars in the city than this subscriber or his friend. An honest and faithful worker for Green's Fruit Grower decided after several years' service that he would like to be a motorman for our city street car company. He applied for a position. He continued to work for Green's Fruit Grower. I think it was nearly two years before the position was given him after he applied for it, but since he was working at good wages during this time this was no serious drawback. When he found that he had secured the position as motorman he withdrew from Green's Fruit Grower's work and rented a house in another part of the city. Even then he did not know what was before him. His experience was something as follows: He found that he had to learn all about the machinery of a street-car propelled by electricity. He had to go into the factory where cars were taken apart and repaired, where he could learn all the details of the work, so that when his car gave out on the road he would know what to do to make it work, the same as he would with a mowing machine were he on a farm. This shop work required perhaps four to six months, then he was put on a street-car with an old motorman by his side to show him how to operate the car upon the street, and you may be sure he was very awkward on the start as all men are. After some further delay he was appointed as an extra man to run street-cars occasionally when some other motorman was sick or off for a vacation. This work kept him employed, but a small portion of the time and he received pay only when he was at work. There are other discouraging features which I have not space to tell about, but the fact is that it was about two years after the man left us before he was placed in charge of a street-car as motorman at full wages. It may be imagined that many people with a family on their hands would have difficulty in waiting during this period of two years for full wages. Possibly our young friends who are to leave the farm for the city do not know of this experience which all motorman have to go through with.

Reply to Mr. Thos. R. Rogers, Pa.: Every year we publish methods of preventing injury from mice and rabbits, and yet get many letters asking for more information. No, I do not think you could sell a simple device since every orchardist has a device of his own. If the trunk of the tree is protected by pieces of bark or thin lumber surely the rabbits cannot injure them. There are numerous ways of giving this protection.

If you feel inclined to swear
Eat an apple!
Don't shake your fists and tear your hair!
Eat an apple!

If you want to drink or chew,
Or do anything you ought not do,
Eat an apple!

Superior Cream Separator

Gets ALL the Cream. Complete separation in 60 to 90 minutes is made by circulation of cold water thru patented Center Column and Outside Jacket. Simple. Practical. Water and milk do not mix. "Equal a \$150 milking machine." 1000 Farmers use it. WE OFFER A BINDING GUARANTEE. We refund your money if not satisfied. The best investment on the farm. Write today for full particulars and testimonials.

SUPERIOR FENCE MACHINE CO.
187 Grand River Ave. Detroit, Mich.

Those \$1.00 Men.

A large number of subscribers to Green's Fruit Grower have sent us \$1.00 for four years' subscription to Green's Fruit Grower. These subscriptions will not expire until January, 1909. Some of these subscribers now write us with anxiety, having seen the cross on our editorial page. They ask if we have them booked correctly.

Our reply is, surely we have you booked all right, if you have received, soon after sending the dollar, our postal card acknowledging its receipt. Please do not ask us to send out several thousand more postal cards after we have once received the money you have sent us. Rest assured that everything is all right here.

Worth Remembering.

Written for Green's Fruit Grower by L. E. Eldridge.

That a pinch of salt and a pinch of soda make a good dentifrice.

That a spoonful of ammonia added to water in which silver is washed will brighten it wonderfully and help to keep it clean.

That window plants coming into bloom need good fertilizing to give large, strong flowers.

That system is a valuable adjunct to good housekeeping.

That a good neighbor is something to cherish.

That perseverance and good luck go hand in hand.

That industry is a key that unlocks the door of success.

Fireproof Mats, Premium.

Asbestos mats are very desirable for the housewife. They are indestructible by fire. Even if you throw these mats on the burning coals, and leave them there all day, they will not burn or become scorched. Place these mats on your hottest stove, then you can place on the mat your tin or other dish and cook or stew without any danger of burning. There are many ways in which the housewife can make these fireproof mats of service. Therefore, Green's Fruit Grower decided to offer six of these fireproof mats, to be sent by mail, postpaid, as a premium with each subscription to Green's Fruit Grower at 50c, the subscriber to claim this premium when sending the 50c.

Keeping Apples.—W. C. Baird of Ohio, writes Green's Fruit Grower of the plan which he has found very successful for keeping apples, pears, etc., in small quantities. He had frequently read that apples kept best in barrels and reasoned that this was because they were kept from the air. He secured soap boxes from the grocer at 2 1/2 cents each, all the same size, which filled level full held three-fourths of a bushel each. By placing one box above another each box acted as a cover to the other, a cover being placed on the top one, and all were nearly air tight. Pears do not wilt and ripen nicely, and apples keep much fresher and retain their aroma. These boxes are also handy for many purposes and the expense is very reasonable.

Will You Renew To-Day?

Remember President Roosevelt's life system, which is to do it now. Perhaps this system has done more to make President Roosevelt president of the greatest country in the world than anything else. Let us all strive to follow his example and act promptly in all affairs of life. Will you renew your subscription to-day for Green's Fruit Grower? Thousands of our subscribers have renewed their subscriptions recently. The question now is, have you done so? If you have not and desire to favor the editor and publisher please renew your subscription to-day. Yes, renew it now before you lay down this paper.

Joseph Harris' Rural Annual Seed Catalogue is now ready for distribution. This is a handsome catalogue, well printed and illustrated. One of their specialties is the long white tartar oat which is said to have yielded 106 bushels per acre. This Seed company has long been known for fair dealing. Address Joseph Harris Seed Co., Coldwater, N. Y.

Getting Subscribers.—Last year many of our friends in various parts of the country were getting subscribers for Green's Fruit Grower. We appreciate the kindness of the friends who have in past years done such excellent work for us. We are now waiting for reports of what they are doing for us this year. Will you who read these lines kindly get up a club for Green's Fruit Grower? Write for terms to agents for getting up clubs.

A few years more and there will be no log cabins left for great men to be born in.

**No Dealer
Can Duplicate
Our Factory
Price**

THE COLUMBUS CARRIAGE AND HARNESS CO., Columbus, Ohio.



Our high grade carriages are made in our own factory, and sold exclusively by mail order at a saving of from \$15 to \$30 to the buyer. We warrant every vehicle so be just as represented or refund money and pay freight both ways. Send for free catalogue. It tells the advantage of buying from factory.

TILE DRAINED LAND IS MORE PRODUCTIVE

Earliest and easiest worked. Carries off surplus water. Increases the value. Acres of swampy land reclaimed and made fertile. Price, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 90 Third Ave., Albany, N. Y.

First Prize Sprayers!

These sprayers are the best for real service, improved, up-to-date, and most practical sprayers to be had. They are made for us by one of the Largest Spray Pump Manufacturers in the World, who received the FIRST PRIZE on Sprayers at the St. Louis exposition.

IMPROVED BRASS BARREL SPRAY PUMP

FOR ORCHARD OR SMALL FRUITS. It is made by the largest pump makers in the United States. Solid Brass and not affected by the materials used; throws a uniform, constant and elastic spray and is very powerful and easily operated. The patent agitator stirs the solution from the bottom. Nothing to get out of order. Can be used for whitewashing. The best Barrel Spray Pump on earth for the price.

Price, No. 5, complete, with 5 feet of three-ply discharge hose and nozzle, ready to use, weight 25 lbs. only. \$4.95
Eight-foot extension pipe for higher trees. \$5.00
Price, No. 6, complete, with two 5-foot lengths of three-ply discharge hose and two nozzles for spraying two rows at a time, ready for use. Weight 30 lbs. \$5.95
Eight-foot extension pipe for higher trees (each). \$5.00

For Dasher Agitator, if preferred, add \$1.00 to the price of either pump.

Always use extension pipes—You get better results.

ALL STEEL BARREL CART. For use with any of our Barrel or Bucket Pumps. Enables the user to reach places that would be impossible with a team and wagon. It is also a valuable protection against fire, and for sprinkling. Being made entirely of steel, it will last a life time.

Price, without barrel, \$3.95
Complete with barrel, \$5.95

Barrel \$2.00 extra.

Always use extension pipes—You get better results.

BUCKET OR BARREL SPRAY PUMP.

Two Pumps in one for trees or small fruits and potatoes. A Brass Bucket or Barrel Spray Pump with more real advantages than are contained in any other spray pump on the market, and is sold at a moderate price. The work is all done on the down stroke and it can be operated with one-third the power required for any old style pump. It is an excellent pump for practical use. Price, No. 24, complete, ready for use, with agitator, 5 feet of 3-ply hose and solid stream nozzle, \$3.45
With graduating Vermorel fine or coarse spray and solid stream nozzle, 3.95
With eight-foot extension pipe for spraying large trees, \$3.95

Always use pipe extension—You get better results.

BRASS BUCKET PUMP No. 25. An excellent pump for small fruit growers, gardeners and poultrymen. Can be used for whitewashing, washing wagons, spraying potatoes and fruit trees. With the eight-foot extension pipe this pump can be used for spraying the larger trees. The pumping is all done with the downward stroke. The patent agitator stirs the solution from the bottom.

Price, with 5 feet of 3-ply hose, the best all around nozzle, ready to use, weight, 7 lbs., only. \$3.85
The eight-foot extension pipe for spraying trees, \$5.00 extra.

Always use pipe extension—You get better results.

NOTICE.—We can send any of the above sprayers or the Kapsack Sprayer DIRECT FROM THE FACTORY in Ohio, if desired, to SAVE EXPRESS CHARGES TO POINTS IN THE FAR WEST.

KNAPSACK SPRAYER FOR SMALL FRUIT, POTATOES, ETC.

A Convenient Outfit with which to spray from four to six acres of small fruit or potatoes in a day. The tank holds 5 gallons, and is fitted with lid and strainer. The pump has a large air chamber, ball valves, solid plunger and agitator.

The handle lever can be shifted from right to left shoulder at will.

Price, No. 320, Kapsack Spray Pump, with 5 feet of 3/4-inch hose, pipe extension and Bordeaux or graduating Vermorel spray nozzle, which can be graduated from a fine mist spray to a solid stream or shut off entirely, \$4.95

GREEN'S AUTOMATIC SPRAYER.

The climax of all sprayers; combines every conceivable point of excellence, including economy, durability, low price, and ease in carrying and operating.

Nothing to rust or corrode. Eight to ten strokes of plunger compresses enough air to spray ten minutes. Sprays a quarter acre of potatoes, tobacco, etc., without re-charging. Weight, empty, 7 lbs.; loaded, 39 lbs.; capacity, about four gallons. Extension pipe in sections two feet long may be added for spraying trees.

SPECIAL INTRODUCTORY OFFER.

Green's Automatic Sprayer, one in a place, to introduce it.

Galvanized steel, with three extension pipes, two nozzles and one length of hose. Solid brass, with three extension pipes, two nozzles and one length of hose. \$4.45
5.95

CONDENSED BORDEAUX MIXTURE. (Standard Formula, 1 gallon makes 50 gallons spray.) Ready for use by simply adding water. An indispensable fungicide, curing and preventing black rot, mildew, blight, rust, scab, and all fungoid diseases on fruits and plants.

1 gal. Bordeaux Mixture makes 50 gals. of spray
solution, U. S. Standard, Price, \$1.00
5 gals. Bordeaux Mixture make 500 gals. of spray
solution, Price, 4.50

KEROSENE EMULSION for Scale and all Sucking Insects.

Prepared according to the most improved formulas; ready for use by simply adding water (8 to 10 parts water to one of Emulsion). Price, per gallon, \$1.00; 5 gallons, 4.50

WHALE OIL SOAP for San Jose Scale and Cabbage Worms. For cabbage worm, scale on trees, caterpillars, melon louse, rose bugs, green fly and lice of all kinds, all sucking insects, either on plants or animals. Use from one to two pounds of the soap to 5 to 8 gallons of water. Be sure that the soap is thoroughly dissolved, and then apply in form of spray. Price, 1 lb., 15c.; 2 lbs., 35c.; 5 lbs., 50c.

WHITE HELLEBORE FOR CurrANT AND GOOSEBERRY WORMS.

Hellebore is often employed in cases where arsenical poisons would be objectionable. Use one ounce to three gallons of water. Price, 1 lb., 25c.; 5 lbs., \$1.00.

SULPHO-TOBACCO SOAP FOR ROSE BUGS AND CurrANT WORMS.

Excellent for rose bushes, shrubs, house plants, etc. It also acts as a valuable fertilizer, reviving plant life. For domestic purposes it rids the house of cockroaches and is a superior wash for dogs and all animals. Prevents poultry lice. Price, 3 oz. cake, sufficient for two gallons prepared solution, 10c.; mailed, postpaid, 15c.; 8 oz. cake, sufficient for 5 gallons prepared solution, 20c.; mailed, postpaid, 25c.

Valuable booklet, "The Window Garden," free with 8 oz. cake of Sulpho-Tobacco Soap.

We are interested in supplying all our patrons with a good Sprayer, because it helps to care for the trees and plants they purchase.

Write us, telling how many trees you have to spray, the size, etc.; also the small fruit, potatoes or cabbage to be sprayed, and let us help you in the choice of a Sprayer, large or small, according to your actual needs. If you write us at once, we can send you the latest and most reliable Spray Calendar, telling just what to use and just when to spray. Address

GREEN'S NURSERY CO., Supply Dept., ROCHESTER, N. Y.

MONEY IN BANANAS

is the title of a book which tells how to make money in banana growing. How and where bananas grow; their value as a food product; how profits from bananas compare with farm products raised in the United States; the wonderful possibilities in the banana industry for small investors; how by the investment of \$10 a month for 20 months, you may secure a life income. If you want insurance against poverty, a guarantee of independence in old age, and a life income of from \$8.50 to \$55 a month, write us at once for this

FREE BOOK.

You will find it an interesting story about the most remarkable opportunity ever offered. Write for it to-day.

A postal saying, "Send Money in Bananas" will do. The book will be sent you free, by return mail.

CO-OPERATIVE TROPICAL FRUIT ASSOCIATION, 942 REAL ESTATE TRUST BLDG., PHILADELPHIA.

THE PACKAGE SELLS THE FRUIT.



WE ARE HEADQUARTERS FOR
Berry Boxes, Peach, Melon, and
Grape Baskets. Catalogue free.

WELLS-HIGMAN CO.,
St. Joseph, Mich.
Please mention Green's Fruit Grower.

The New Catalogue —of— Green's Nursery Company

Is Now Ready for Distribution.

DO YOU WANT IT?

If you want this new catalogue send for it by postal card at once and it will be mailed to you free of cost. You will not get this catalogue unless you send for it.

SURPLUS TREES AND PLANTS

We have a surplus of apple trees in large size, medium size, and smallish size, which we offer at bargain prices in lots of 50, 100, or 1,000.

GRAPE VINES. We have a surplus of the largest and best rooted vines we have ever grown of such varieties as Concord, Worden, Niagara, C. A. Green new white grape, Campbell's Early, and Diamond white grape.

CURRENT BUSHES. We have a surplus of the Red Cross, best of all currants, also Cherry currant and Black Champion currant. We can make you low prices on list of 100, 500, 1,000 or more.

POPLAR TREES. We have a surplus of Carolina Poplar, also Lombardy Poplar. Can make low prices on lots of 50, 100, or 1,000.

Do not fail to submit a list of your wants and allow us to make prices on it before buying elsewhere. Send for our catalogue to-day. Address,

GREEN'S NURSERY CO.,
ROCHESTER, N. Y.

LOOKING FOR HELP AND LOOKING FOR EMPLOYMENT.

Editor of Green's Fruit Grower—In our town lives a progressive farmer who has a large herd of highbred Jerseys in which he justly takes great pride. The time came last fall, so says a neighbor, that a man was needed to look after the herd and to do other work about the place. An advertisement was put in a well known paper and the applications began to come. Perhaps 100 in all were received, but scarcely one of the whole lot could be called a good "I want the place and can do the work" kind of an application. One middle aged man, writing a good hand said that "years ago when he was a boy and used to go to school his holidays were generally spent at the home of an uncle who had a large herd of cows in which he was much interested and he had always had a longing to work amongst cows although he had never actually engaged in any hard labor amongst any animals of any kind. He offered himself." Another said: "Yes he would like the position but preferred not to do any milking, cleaning out cowhouses, or following a plow." And still another, "He had had some experience but had a wife who had never lived in the country or done any menial work, such as wives had to do as he understood in the country but if the employer would guarantee to provide a woman to help his wife in the menial duties of the home he could consider a reasonable offer." Is it any surprise that positions are hard to fill.—E. H. B.

OH, RATS!

Editor of Green's Fruit Grower: Talking with a neighbor the other day about being bothered with rats he remarked that rats were cunning but easily gotten rid of and cited an instance which seemed interesting. He said: "Why, yes, the barn and granary were overrun with them; they were too cunning to get into traps it seemed, but I did manage to catch an old fellow at last which showed the scars of many battles and he was a lively one, too. Acting upon the advice of a friend I carved off his tail quite close to the body and then painted the spot where the tail used to be and all that portion in close proximity to it and turned him loose. In a week's time there was not a rat to be heard or a track seen. One year from that time I went two miles distant to help a neighbor thresh. We killed one rat and imagine my surprise when I discovered that it was the one upon which one year previous I had practiced surgery and painting.—B.

Editor of Green's Fruit Grower: Rev. Seneca Leonard, a subscriber to Green's Fruit Grower, was born in Wethersfield, Hampshire county, Mass., February 8, 1828. Went to Ohio in 1828. Married, living in Medina county seat, February 6, 1834. November 8, 1904, was my nineteenth anniversary of presidential election. November 8, 1923, was not of age but was February 8, 1823, just before General Jackson took his seat in the White House the first time. This leaves me eighteen presidential elections that I have voted. My wife and I celebrated our seventieth anniversary of married life September 8, 1904. Neither party has applied for divorce. A Sunday school teacher eighty-five years; preacher fifty-three years. Never had better health. Have not been preserved in whisky nor tobacco. The Lord has done it.

God is the impersonal, omnipresent, governing principle of the universe whose movements are only discernible in the processes of nature. It is only man's egotism that gives rise to the opinion that God is a personal being possessing human form. To ascribe limits to His form is to also ascribe limits to His attributes and power. Therefore He does not take a personal interest in our affairs. This world and the universe as well, is governed by immutable law, not by the decrees of a personified Deity.—Geo. B. Farris, Mich.

God is a personal Being, Gen. I:26, 27. Jesus the express image of God, Heb. 1:1-3. To my mind God takes the same size and shape of man, as man is made in His image. Jesus after His resurrection had a body of flesh and bones.—F. P. Sweet, Utah.

My knowledge of God is: He is a man with body and flesh, and Jesus Christ, His Son, the exact image of the Father. He made man in His likeness. Whenever He has manifested Himself to any of

Our Correspondence.

His children it has been in the form of man and if people would believe the good old Bible they would have no doubt about God, for it is so plainly set forth. Read the Scriptures, for in them ye have eternal life.—William Knight, Utah.

RATHBUN AND ELDORADO BLACK BERRIES.

Editor of Green's Fruit Grower: I saw a fine plantation of Rathbun and Eldorado in fruit last summer. Both varieties were at their best and had received the best care and attention. It was difficult for me to say which of these two varieties was the most desirable, but I consider the quality of Eldorado a little the best. I talked with the owner after the crop was all secured and learned that the Eldorado had borne more fruit and that it was more uniform in size so that it needed no sorting. But the Rathbun did need sorting since its fruit is not even in size as Eldorado. Eldorado is perfectly hardy; harder than Rathbun. Eldorado is an upright grower while Rathbun the first year or two is inclined to trail low.—Matthew Crawford, Ohio.

THE HIRED MAN QUESTION.

Editor of Green's Fruit Grower: The evidence of want of help is seen. Those with land and capital, those with fine estates; those with land and little capital; those with up-to-date everything and those that are down at the heels with a piece of a cow and that turn the cattle out cold days to warm up under the apple tree; all have everything but the hired man; or if they have him he is like the flea; you have him and then don't have him. The accumulation of a lifetime is worthless. Why? I can remember when we saw numbers of men in the fields, many of them hired by the year, and many hands made light work and light hearts too, and at that time products brought less money than to-day.

Farm machinery, the opening up of the West, transportation, the building of cities, has changed this. We farmers of the east have the land and have the machinery and the markets. We have all they had in the fifties, with the addition of machines. We do not have the hired men; he has gone to the town or city. We did not employ him by the year. He had no winter work.

The conditions with agriculture have with other things been made over since the fifties. The farmers are not aware, or part of them, of the almost doubling of per capita wealth since that time. We or they, have been sowing the seeds of discontent and we are now reaping the harvest.

I overheard the tale of a day laborer. He was employed at \$1.25 and board about two-thirds of the time. Had he been employed 26 days each month at

HAVE YOU A TONGUE?

When you consult a physician, he first asks to see your tongue. It shows at a glance if you are bilious, and if your stomach, liver and bowels are acting as they should. Save the expense of consulting a physician, and send to-day to the Vernal Remedy Company, Le Roy, N. Y., and you will receive, free of charge, a trial bottle of that wonderful household remedy, Vernal Palmetto (Palmetto Berry Wine) which will surely and quickly cure you of all diseases which are brought on by an unhealthy condition of the stomach, liver, kidneys and blood. Your druggist can supply you, but the proprietors wish to have every reader of Green's Fruit Grower first try a bottle so as to become thoroughly convinced of the wonderful benefits to be received.



HOOD RUBBERS

TRADE RUBBER COMPANY BOSTON MARK

NOT MADE BY A TRUST

IF YOU CANNOT GET THESE RUBBERS FROM YOUR DEALER—WRITE US

ONLY \$8.88.



FARM WAGON OFFER.



FOR \$36.90 WE SELL THE HIGHEST GRADE HEAVY TWO-HORSE FARM WAGON

MADE, complete with double box, drop tongue, spring

cover, and other fittings, and covered

COVERED BY OUR BINDING GUARANTEE.

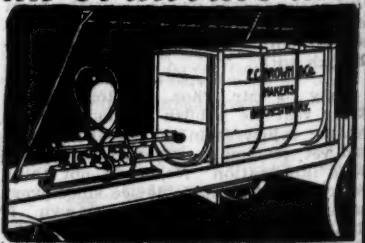
FOR FREE FARM WAGON CATALOGUE with many illustrations of wagons, all parts, etc., full descriptions, guarantee free trial offer, for explanation why we can sell the best wagon made at one-half the price others charge for low freight rate and our delivery arrangements for the many states in the United States.

Wagon Offer ever heard of, cut this ad out and send to us, or on a postal card say "Send me your Free Farm Wagon Catalogue" and get all by return mail free, postpaid.

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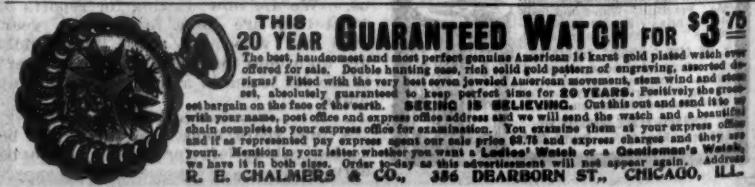
that Page Fence is made of a better quality of wire, so highly carbonized that an edged tool can be made of it—a wire with double the tensile strength

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Send your name to-day and get by
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at once I will send—Free—to try—my complete
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Piles, Ulcer, Fissure, Prolapse, Tumors,
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My valuable new Pile Book, (in colors) comes
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URED SECRETELY.
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This harmless & tasteless remedy is
given in Tea, Coffee, Food, etc.,
to cure Drunkards. Any wife,
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"Oh, how happy I am that my hus-
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for drunkards." Mrs. Scott's words of
gratitude is only one in many in possession of this company.
Any one who will send their name and address and a cent
to the Gold Dust Co., 1100 Building, St. Louis, Mo., will
receive by mail, sealed in plain wrapper, a package of this
remedy & full instructions how to cure the drink habit.

RUPTURE CURED WHILE YOU WAIT.
SEND YOUR NAME AND ADDRESS TO
K. A. SPERRY, 1100 WESTBROOK BLDG.

WANTED EVERYWHERE People to copy letters at home
during spare time and return
to me. No mailing or canvassing, \$9 weekly earned, materials
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GUARANTE CO., No. 575 Ninth St., Phila., Pa.

FITS CURED

A Remarkable Treatment is Dis-
covered That Permanently
Cures This Terrible
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TEST IT FREE!

Dr. Charles Green, the
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Specialist, has found a positive
cure for this terrible
disease. He has tested it in
thousands of cases, and so
sure is he that he can cure any
case of Epilepsy, Core, St.
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failed, that he will send, free
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this trial treatment and start on the road to health at once
before some fatal accident befalls you while in a fit. It has
cured thousands where all else had failed, and it will cure
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OPIUM and Whiskey Habits
cured at home, without
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New discovery. No obnoxious
springs or pads. Automatic
Auto-Cushion. Blinds
and a door. The bro-
ken topless or you
would a broken limb. No
saves. No lymph. No
limb. Durable, cheap. Pat.
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SENT ON TRIAL.
CATALOGUE FREE.
BROOKS APPLIANCE CO., Box 919 MARSHALL, MICH.

Regal New, Red, Long Keeping
Grape.

We purchased this new and valuable
red grape in conjunction with another
large nursery company. We bought the
new variety of the veteran fruit grower,
Matthew Crawford of Ohio, who has
thoroughly tested this variety and who
pronounces it of great value, a vigorous
growing, productive grape of fine quality,
a long keeper. It is offered for sale
now for the first time.

THE NEW WHITE GRAPE
Named by the Originator The C. A.
Green Grape.

Has been thoroughly tested at Green's
Fruit Farm and elsewhere. It is a vigor-
ous grower and bears more fruit than
any other variety we know of. The
clusters are of the largest size, the berry
large and of fine quality. This new
white grape will succeed anywhere.
Send for catalogue with prices. Fall is
the best time to plant grape vines. Ad-
dress Green's Nursery Co., Rochester,
N. Y.

\$1.25, would have earned \$32.50, and if
he had used all that for food his family
would have lived on six-cent meals.
He worked but two thirds of the time
and one-half of this was used for things
other than food; therefore, thanks to
the rich West and low transportation,
his family lived on two-cent meals. He
was a faithful man and preferred farm
life; but owing to the fact that he was
not wanted by the year, has gone to the
city where he has steady employment
and has purchased a lot at the rate of
\$2,500 per acre.

I have daily demonstration that it is
hard to extract a living from mother
earth; ours is a stubborn soil and it is
hard to prevail upon her to give up her
treasure. We have many storms and
disappointments, but this is what we
have inherited; one generation drove off
the Indian, another burned the trees,
and another, when he got to the soil,
has been trying to draw it to town, and
now it looks plausible that this one
should go to town, but this will not
rhyme with the hopes of the first and
second. It was a noble effort of noble
men to convert the country into homes
and this is our inheritance.

THE LOCATION OF ORCHARDS.

Editor Green's Fruit Grower: In
choosing land for orchards consider well
the question of drainage and the natural
fertility of the soil. If the soil is not
rich enough to bear good crops of grain,
potatoes or other farm crops, enrich it
as you would for such farm crops and
put the land in good tilth before plant-
ing the trees. Then select from some
reliable nursery varieties adapted to
your locality. The question as to whom
you shall buy the trees of is important.
Do not buy them simply because they
are cheap. Buy of the nurseryman who
has a reputation for honesty and of la-
boring true to name. You should be
able to learn what varieties are adapted
to your locality by visiting orchards in
your vicinity and talking with fruit
growers there. I am growing varieties
of apples said to be failures by my
neighbors and yet my trees bear splen-
did specimens of delicious fruit, so we
cannot depend entirely upon what our
neighbors say. See that the trees are
not exposed on the way from the nur-
sery to your place, and that they are
handled carefully when they arrive.
Examine the roots carefully to see if they
are fresh and sound. Many men handle
their trees so carelessly, and dig them
so carelessly that they are not of much
value, while others take the greatest
pains in handling them. Trees I re-
ceived from Rochester, N. Y., have been
carefully packed, arrived in good con-
dition and have given good results.

It is not difficult to plant trees so that
they will live and grow, and yet one
must use reasonable care and attention
in planting. If you handle the trees in
planting as carefully as you would toma-
to plants for your garden you will suc-
ceed. After planting you must protect
your trees from borers and other insects,
also from rabbits, mice and cattle. Un-
ruly cattle will destroy more trees than
insects. The split stalks of Mammoth
sunflower, or the bark of trees, or any-
thing of that kind bound around a tree
will keep the mice and rabbits away. It
is seldom mice will disturb trees if
banked up a foot in the fall. Sunflower
seed is an excellent tonic for poultry.
Do not try to grow grain or even corn
in your orchard. Potatoes or some
such crop is better than grain or corn,
but the first year trees need all the mois-
ture they can get, therefore no grain or
other plants should be grown near them.
Potatoes, etc., may be grown between
the rows.

Every man interested in orchards or
fruits should have a copy of Green's
Six Books on Fruit Culture and should
be a subscriber to Green's Fruit Grower.
Remember that true success depends
upon our Creator and upon our doing all
in our power to give trees opportunity
for growth.—Godfrey Winkler, Mo.

Do You Get Two Copies of Green's Fruit Grower?

If you are receiving two copies of
Green's Fruit Grower it indicates that
the name of your post-office has been
changed unknown to us, and that we are
sending our magazine to the former
name of your post-office as well as the
new name. Or, it indicates that you
have moved and that we are by mistake
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office address as well as your new post-
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that we request you kindly to give us
prompt notice by postal card. When
you do this always give former name of
your post-office as well as its present
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Many a man asks questions merely for
an excuse to air his own opinions.



FREE TEA SET WE PAY THE FREIGHT.
SEND NO MONEY.

We will send the above latest pattern beautifully Embossed and Decorated Tea Set, full size, for family use and exactly as illustrated above, to any lady who will take orders for only 10 cans of our Baking Powder, and allow her to give free to each person ordering a can, a beautiful Gold and Floral Decorated China Fruit or Berry Set of 7 pieces; or we will pay cash commission. No trouble to take orders this way. Simply send your name and address and we will send you our free agent's outfit. We will allow you time to deliver the Baking Powder and collect the money before paying us. You run no risk, as we pay the freight and will trust you with the Baking Powder and Dishes. We also give away Dinner Sets, Dress Skirts, Couches, Furniture, etc. KING MFG. CO., 649 King Bldg., St. Louis, Mo.

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FREE

I was helpless and bed-ridden for years from a double rupture. No truss could hold. Doctors said I would die if not operated on. I fooled them all and cured myself by a simple discovery. I will send the cure free by mail if you write for it. It cured me and has since cured thousands. It will cure you. Write to-day. Capt. W. A. Collins, Box 277, Watertown, N. Y.

DOUBLE THE STRAWBERRY CROP

No extra expense for new plants or fertilizer. Full story in catalog—lifetime experience of largest fruit-grower in America. To old friends and new wanting Berries, Peaches, Plums, Asparagus, Rhubarb, etc., it's free. J. H. HALE, 50, Glastonbury, Conn.

Please mention Green's Fruit Grower.

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TRUE TO NAME**
GREEN'S NURSERY CO.
ROCHESTER, N. Y.

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Save Half Your Money in Buying

Fruit Trees, Roses Vines and Plants

by ordering direct from our nursery. We employ no tree agents at salary and expenses, but give you that advantage in better prices. Send for our

LARGE ILLUSTRATED FRUIT BOOK. IT'S FREE

Contains everything you want for the orchard, garden, lawn or park. Fill out the order blank and mail direct to us. We make no charge for boxing. Send for the book to-day, stating where you saw this advertisement, and we will also mail you a copy of GREEN'S MONTHLY FRUIT MAGAZINE.

Surplus Stock We have a surplus of Rose Bushes, Weigelia, Deutzia, Spiraea, Tree Cranberry, Hydrangea and Barberry. We have also a surplus stock of Carolina Poplar and Lombardy Poplar. Also a surplus of Apple Trees, Grape Vines and Currant Bushes, particularly the new Red Cross Currant. We will be glad to make special pen prices on these items if you desire them in lots of 50, 100, 1,000 or more.

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Hardy Blizzard Belt

Nursery stock grown in Northern Iowa is healthy and full of fruiting vigor. To introduce our new method of grafting, which insures a hardy root system, we will send free to each property owner reading this advertisement, 6 Long Seion, Foster Mother Root Apple Grafts (ready for planting) of our best hardy sorts. Postage to be which you may send or not as you choose. A postal will bring them. Write today. Price list, bargain sheet, etc., free. Address

The Gardner Nursery Co.
Box 777, Osage, Ia.

Please mention Green's Fruit Grower.

50th Annual Meeting of the Western N. Y. Horticultural Society. Dr. L. H. Bailey's Address on the Achievements of the Past Fifty Years.

As Green's Fruit Grower is ready to go to press this veteran association is holding its jubilee session at Rochester, N. Y. I can give but a foretaste of the good things presented through lack of space. Green's Fruit Grower will be the first to publish a synopsis of Dr. Bailey's very interesting talk.

The meeting opened during one of the most severe blizzards of the winter with the thermometer nearly at zero, and yet the large hall was well filled with interested and intelligent fruit growers. A large exhibit of horticultural implements, spray pumps, etc., also a large display of fine fruits is being made in connection with this meeting. At the opening reminiscences were indulged in by the older members, who related instances in the history of this society which has done a great work for horticulture not only in this locality but in every part of the country.

Co-operative spraying was deemed a necessity by Professor F. C. Stewart. He advises that fruit growers join together in purchasing the most effective sprayers which can do the work of many orchards more effectively than smaller implements. Individuals in localities should endeavor to see that all the orchards are carefully sprayed, since if a part of them are neglected insects may breed therein and attack the orchards that are sprayed. George G. Powell advises a higher standard of horticulture. We of this locality must raise our standard of quality if we would hold our position in the markets of the world. Fruits are no longer a luxury but a necessity. We must grow apples of better quality, and must be more skillful in producing fine specimens, in picking, storing and in transportation.

Dr. L. H. Bailey's address was notable by a notable man. He said in effect as follows: At the first meeting of this society 50 years ago one of the questions discussed was, "Is it possible to make fruit growing popular in Western New York as a commercial enterprise?" There were no large orchards then. Ten acres were considered enough for the largest orchard. Apples then were selling at 5 to 6 shillings per barrel. You who talk of gluts in the market think of the low price paid for apples 50 years ago as compared with prevailing prices. It is a fact that as fruit growing has progressed and the people have become educated in eating fruit the demand has increased faster than the supply. It was then held that standard pears were greater producers for orchard purposes than dwarfs. Nearly all of the good varieties of pears grown 50 years ago are grown now, and the same may be said of apples, but not of strawberries, raspberries, blackberries and currants. The varieties of many small fruits grown 50 years ago have been superseded and are scarcely mentioned now in catalogues. The question then was, shall we plow deep or shallow? Sub-soil plowing was deemed more important then. Questions of tillage were raised 50 years ago, but no decision had been reached. The following topics were not even dreamed of 50 years ago. These topics were, fertilization of blossoms, cover crops for orchards, tile drains for orchards, insects and diseases of fruit trees, plants and vines. Paris green was first used as an insecticide in 1872; fifteen years later methods of pollination were introduced.

There is less progress in improving varieties now than in all else connected with horticulture. He had been shown charred apples that were eighteen hundred years old that retained their size and shape; they were not Ben Davis. The self-binder was introduced in 1876. Every plow, cultivator and almost every form of tool used fifty years ago has been superseded by better tools. No one is using the old fashioned drag used 50 years ago. All commercial fruit growing has been achieved since this society was organized. There were no fast shipments of fruit 50 years ago and no foreign markets, or cold storage, or pools and associations. There was no co-operation among fruit growers then. There were no evaporators, no fruit canning factories, no unfermented grape juice. There was then no floral culture in the commercial sense, now we have 698,000,000 feet of glass. Now flowers are a commercial commodity. Then there was no shipping of live plants by mail; look at the large shipments now of plants and flowers in this manner. Then there was no forcing of vegetable and fruit plants under glass in winter; now this is a great commercial enterprise. Then there was no professional landscape gardening. Then there were no industrial investigations,

no experiment stations, no farmer's institutes.

Methods of teaching in the schools have changed marvelously during the past fifty years. Formerly children were asked to express themselves before they had ideas to express; the child wanted to know what subject he should use in writing his essay. Now he will not be asked to write an essay until he has something in his mind to write about. In agriculture as great progress has been made as in horticulture during the past fifty years.

In 1840 Charles Downing congratulated this country on the fact that there were twelve horticultural societies in existence, working for the welfare of fruit growers. Now there are hundreds of these helpful societies scattered all over the country. During the past fifty years there has been born a new horticultural literature. Fifty years ago there were only two American books on Pomology, Downing and Thomas; Barry's book came later. Now there are 500 volumes of American horticultural books. Fifty years ago there was no horticultural press, no successful horticultural weekly or monthly publication. There were no bulletins such as we have now in large numbers from every state and from many departments. There has been a great growth of nurseries during the past fifty years.

As regards horticultural literature the reporter recalls that twenty-five years ago there was a great scarcity of such literature. The editor of Green's Fruit Grower was the first one to write a book on fruit growing to be sold at a low price and to be circulated by the hundred thousand copies. When Green's Fruit Grower was established, twenty-four years ago, there was so little written about fruits and fruit growing he had difficulty in filling his pages. Now he has difficulty in making room for a small part of the interesting literature on this subject.

Report continued in next issue of Green's Fruit Grower.

GREEN'S FRUIT GROWER FOR THE YEAR 1905.

We have promised to increase the value of Green's Fruit Grower as the number of subscribers increase. Since our subscription list is increasing each year our promise is then that each year our publication must increase in value. We therefore expect to make this magazine more helpful and more interesting for the coming year than it ever has been before. We have been at work twenty-four years trying to learn what our readers want and what will do them the most good. Each year we are learning more on this subject, and each year we feel better equipped for our work.

For the year 1905 we expect to continue the valuable articles and answers to correspondents from Prof. H. E. Van Deman, formerly a U. S. pomologist, one of the most practical and helpful horticultural writers of the age. We also expect to retain the many other helpful correspondents in various parts of the country. We are pleased to announce that we have secured the services of Joe Cone, the Saybrook philosopher, who promises to contribute each month to Green's Fruit Grower.

Having told you what we expect to do we now ask our subscribers to stand by us, to renew their subscriptions promptly, speak a good word for us to their neighbors, and to send us new subscribers whenever it is possible.

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